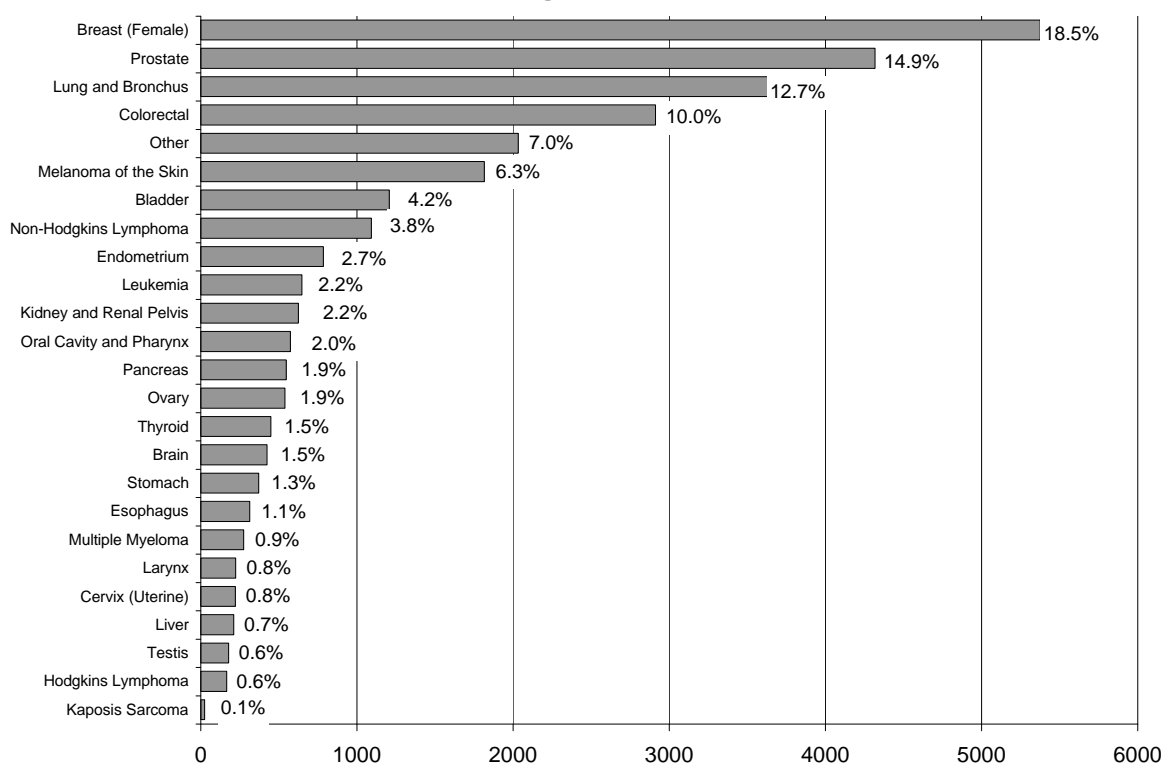


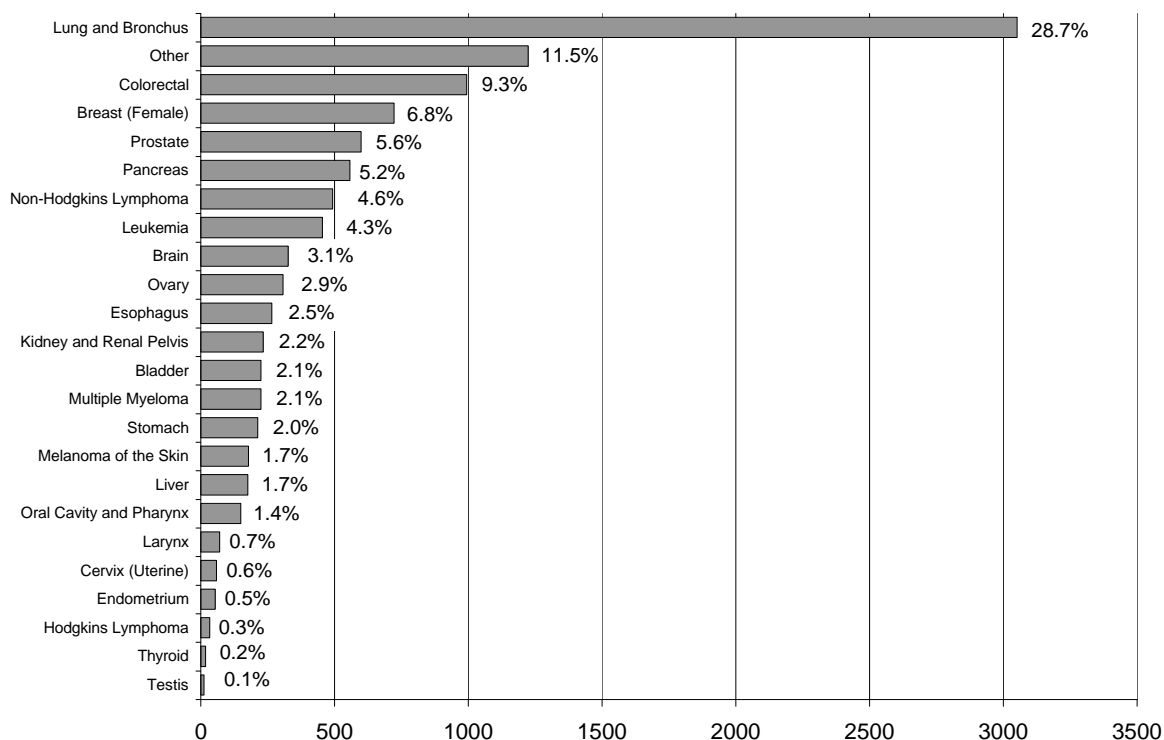
Cancer By Site

Percent Distribution of Cancer

1999 Total Cancer Incidence of Washington State Residents

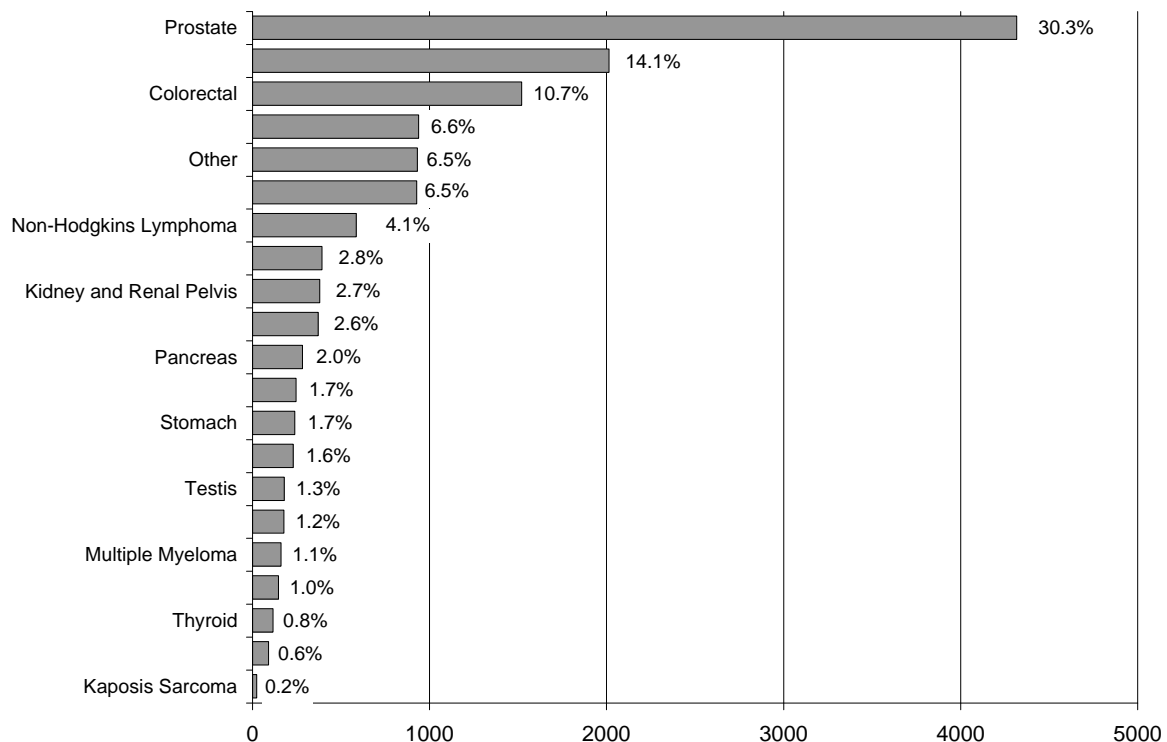


1999 Total Cancer Mortality of Washington State Residents

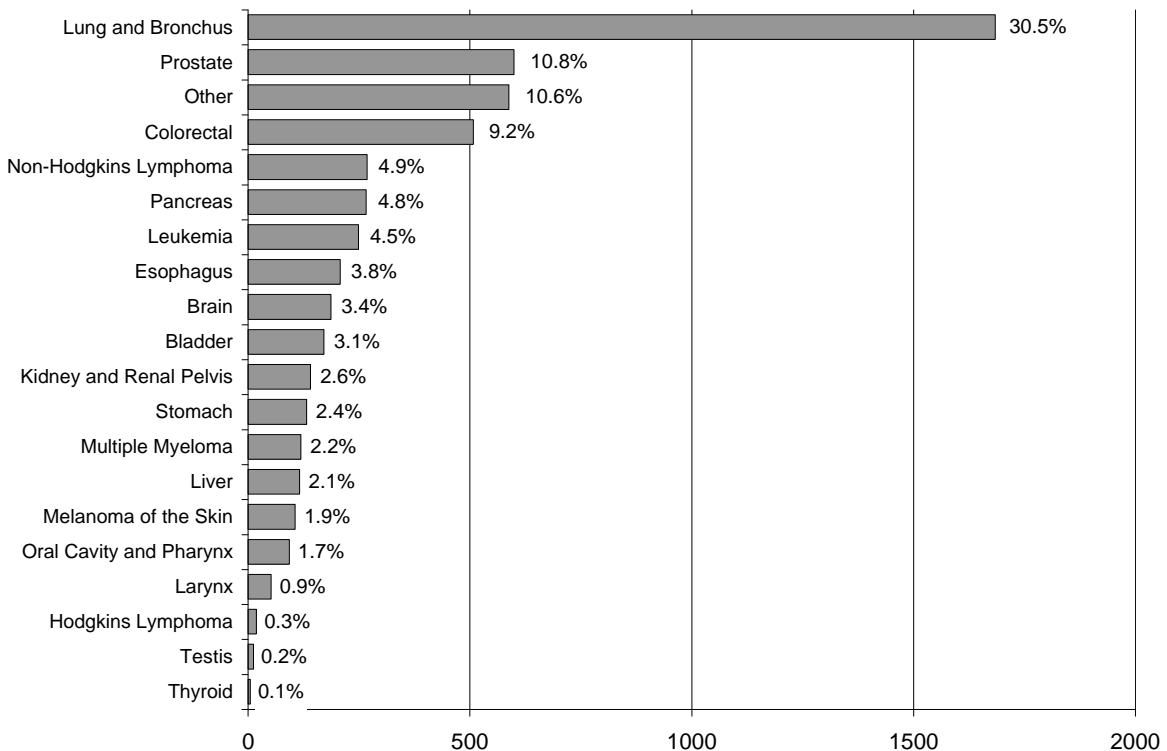


Percent Distribution of Cancer

1999 Male Cancer Incidence of Washington State Residents

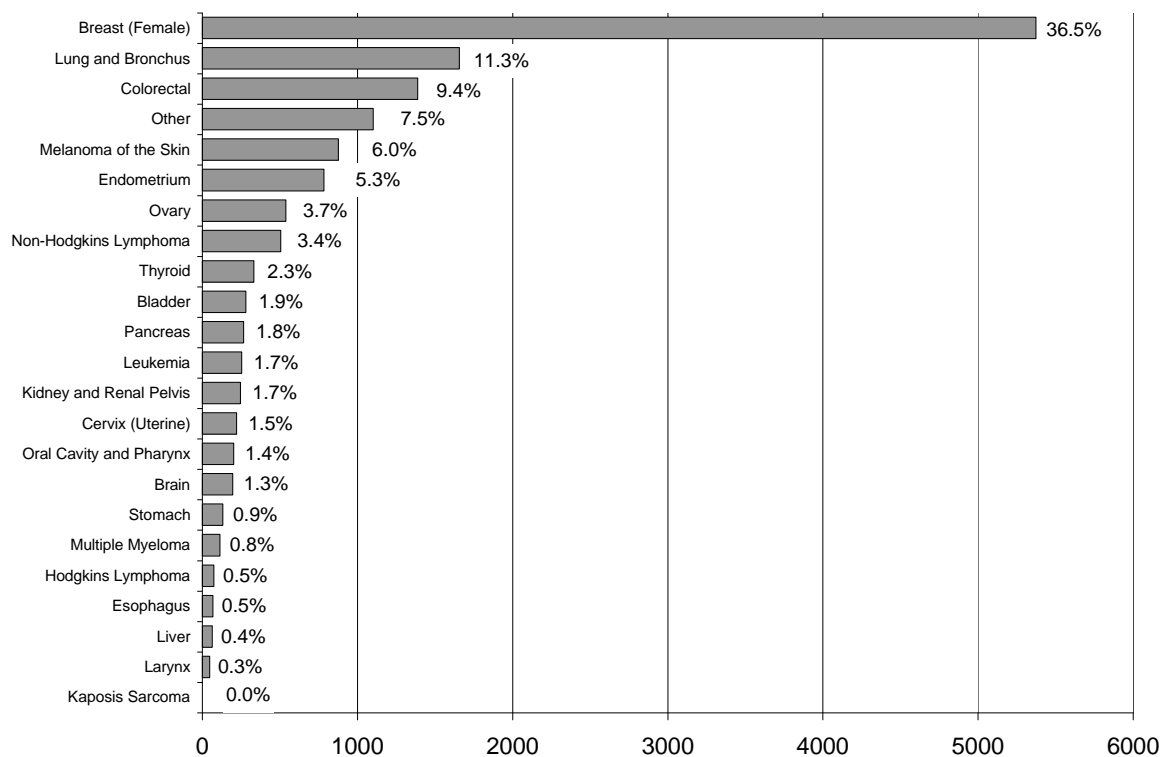


1999 Male Cancer Mortality of Washington State Residents

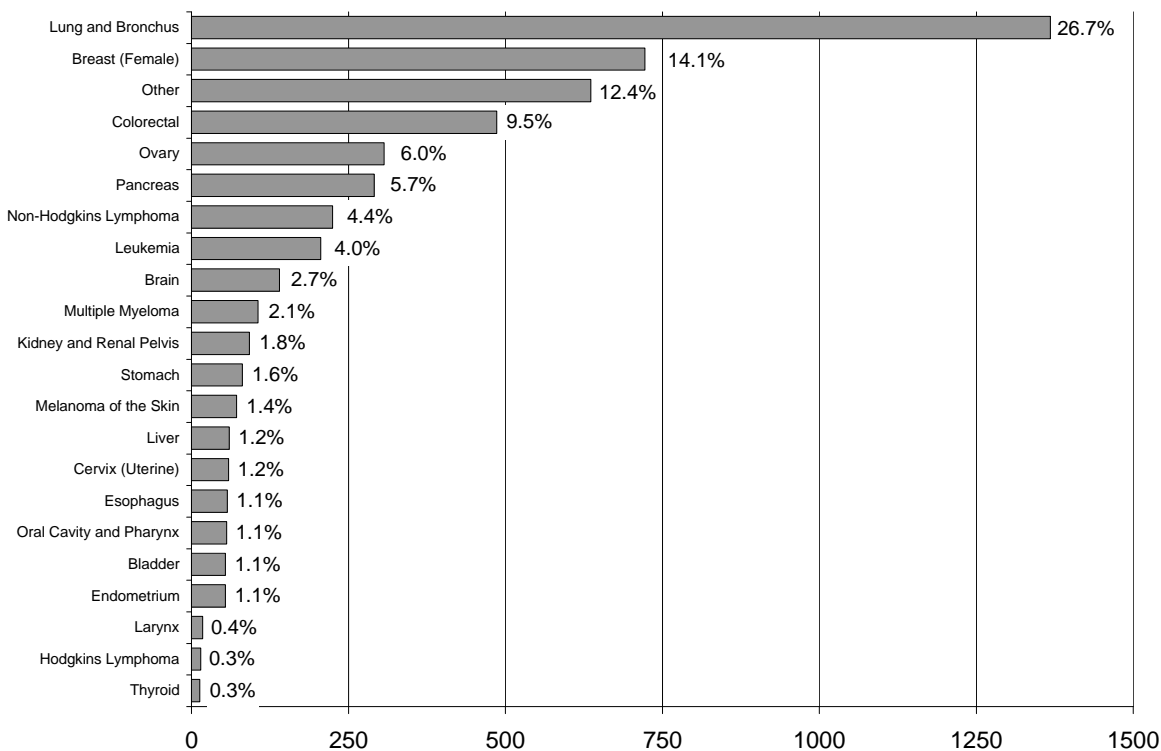


Percent Distribution of Cancer

1999 Female Cancer Incidence of Washington State Residents



1999 Female Cancer Mortality of Washington State Residents



All Sites Combined

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C00.0-C80.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 140.0 - 208.9, ICD-10 codes C00-C97.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

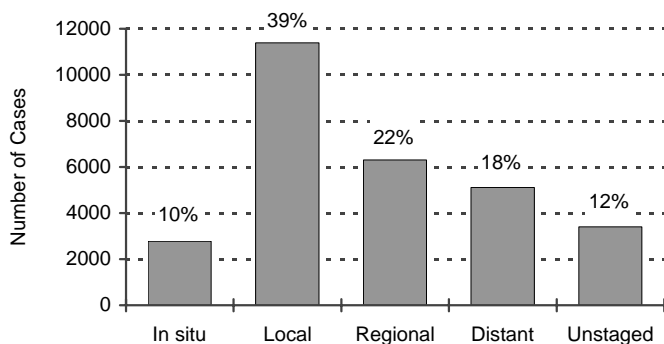
| Incidence | | | |
|-------------------------------|--------|--------|--------------------|
| | Male | Female | Total ³ |
| All Reportable Cancers | 14,265 | 14,726 | 28,993 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 495.5 | 426.9 | 453.1 |
| Age-Adjusted 2000 | 594.1 | 502.2 | 535.6 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 457.7 | 387.4 | 414.3 |
| Age-Adjusted 2000 | 550.4 | 460.0 | 493.1 |

| Mortality | | | |
|------------------------------|-------|--------|--------|
| | Male | Female | Total |
| Deaths | 5,523 | 5,118 | 10,641 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 188.6 | 135.8 | 157.7 |
| Age-Adjusted 2000 | 245.3 | 170.2 | 199.9 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 198.5 | 135.3 | 161.5 |
| Age-Adjusted 2000 | 253.5 | 169.0 | 202.6 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|------|
| In situ | 100% |
| Local | 89% |
| Regional | 59% |
| Distant | 19% |
| Unstaged | 32% |
| Overall | 63% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

³ This includes two cases which were not classified as male or female

All Sites Combined

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

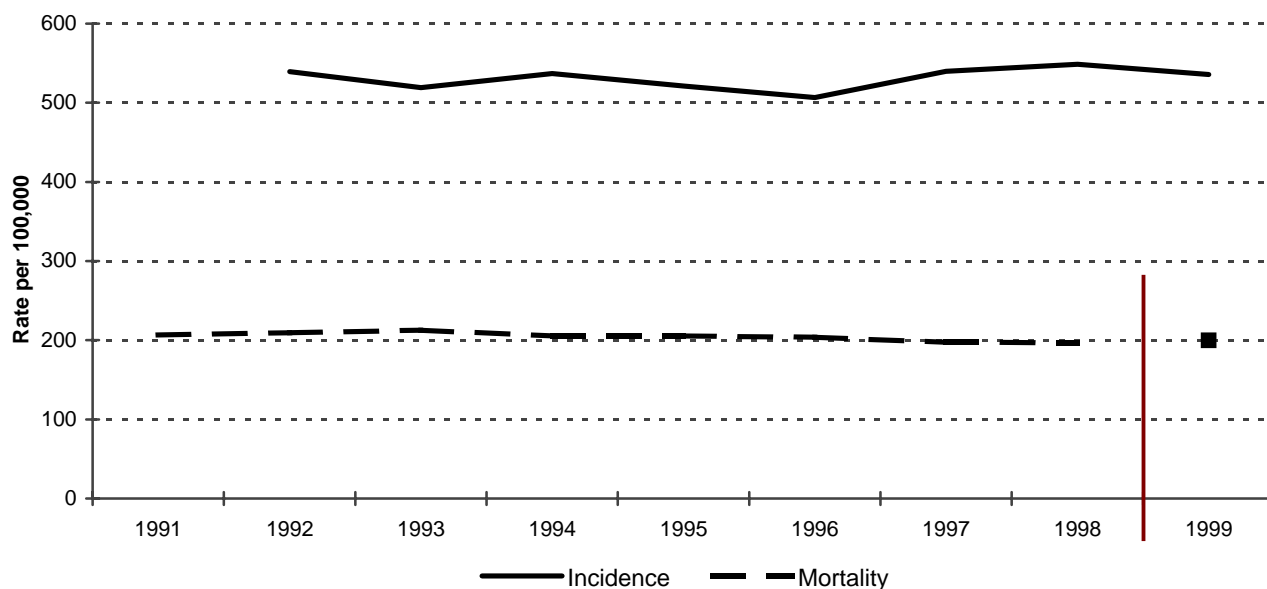
> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10: Preliminary Estimates** at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Bladder

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C67.0-C67.9 and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 188.0 - 188.9, ICD-10 code C67.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

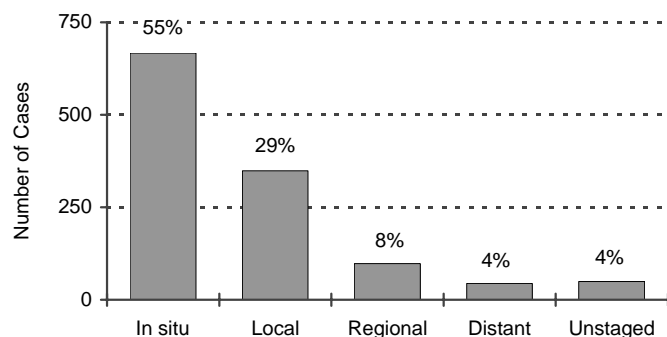
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 927 | 280 | 1,207 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 31.7 | 7.7 | 18.2 |
| Age-Adjusted 2000 | 40.8 | 9.4 | 22.7 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 27.5 | 7.0 | 15.8 |
| Age-Adjusted 2000 | 34.9 | 8.8 | 19.7 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 171 | 54 | 225 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 5.8 | 1.2 | 3.2 |
| Age-Adjusted 2000 | 7.8 | 1.7 | 4.3 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 5.4 | 1.7 | 3.2 |
| Age-Adjusted 2000 | 7.6 | 2.3 | 4.4 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | n/a |
| Local | 94% |
| Regional | 49% |
| Distant | 6% |
| Unstaged | 58% |
| Overall | 81% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Bladder

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

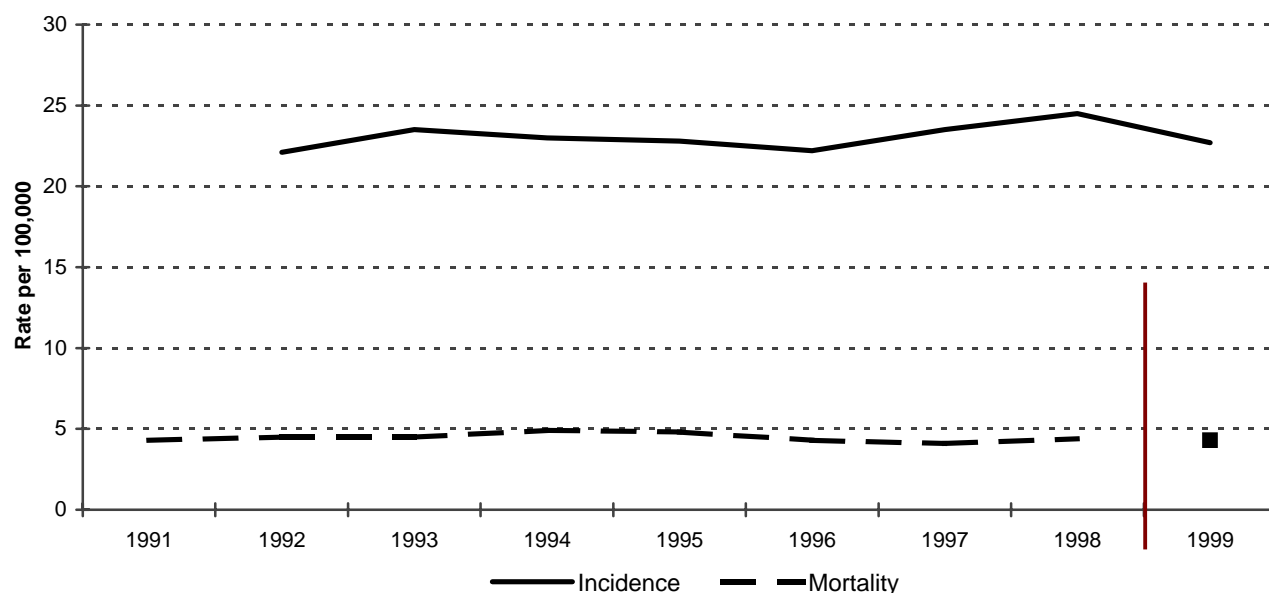
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Brain

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C71.0-C71.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 191.0 - 191.9, ICD-10 code C71.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

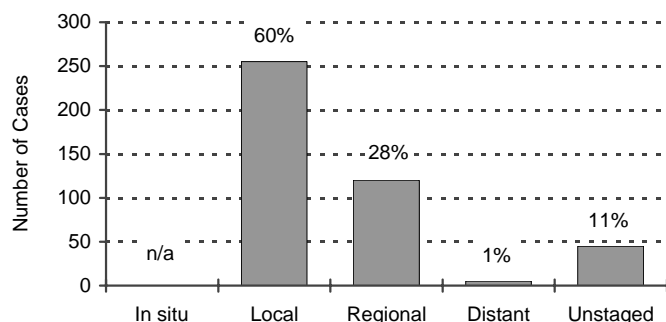
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 230 | 195 | 425 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 7.9 | 6.2 | 7.0 |
| Age-Adjusted 2000 | 8.7 | 6.7 | 7.6 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 6.2 | 4.6 | 5.3 |
| Age-Adjusted 2000 | 6.9 | 5.1 | 5.9 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 187 | 140 | 327 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 6.4 | 4.0 | 5.1 |
| Age-Adjusted 2000 | 7.4 | 4.7 | 6.0 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 4.9 | 3.3 | 4.0 |
| Age-Adjusted 2000 | 5.6 | 3.8 | 4.6 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | n/a |
| Local | n/a |
| Regional | n/a |
| Distant | n/a |
| Unstaged | 29% |
| Overall | 29% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Brain

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

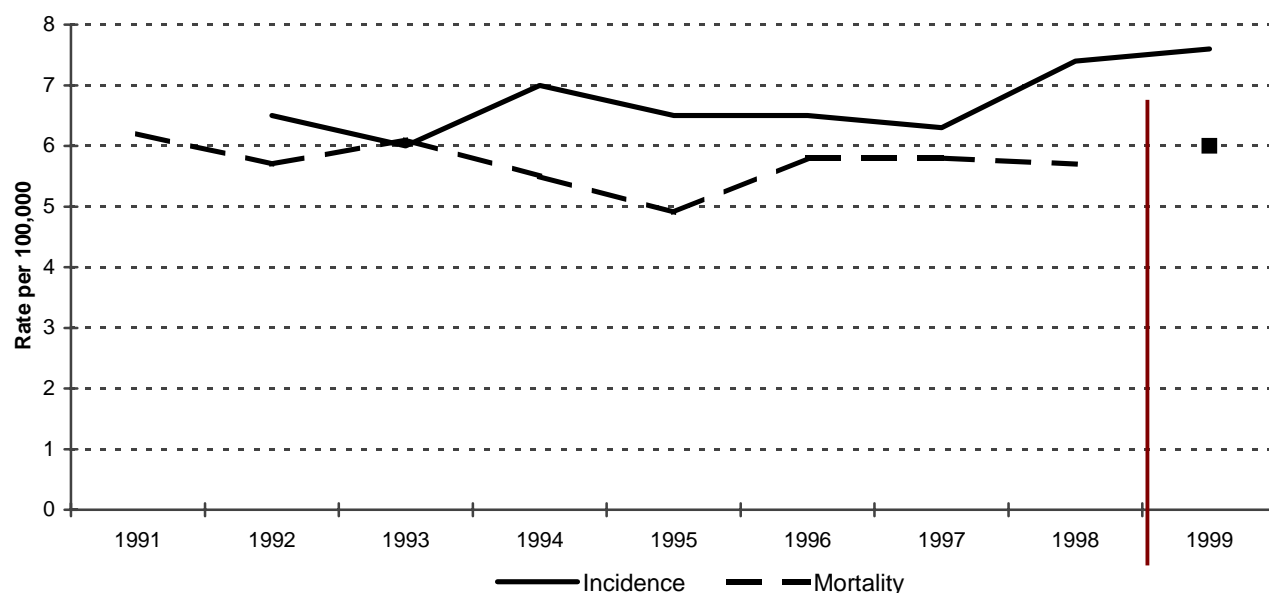
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Breast (Female)

DATA DEFINITIONS: **Incidence data** were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C50.0-C50.9, and excluding morphology codes 9590-9970. **Mortality data** were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 174.0 - 174.9, ICD-10 code C50.

1999 Washington State Female Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

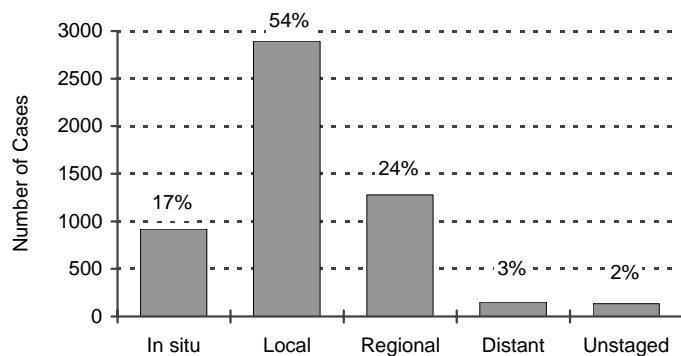
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | n/a | 5,374 | n/a |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | n/a | 158.1 | n/a |
| Age-Adjusted 2000 | n/a | 184.2 | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | n/a | 141.8 | n/a |
| Age-Adjusted 2000 | n/a | 166.1 | n/a |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | n/a | 722 | n/a |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | n/a | 19.4 | n/a |
| Age-Adjusted 2000 | n/a | 24.1 | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | n/a | 22.7 | n/a |
| Age-Adjusted 2000 | n/a | 27.9 | n/a |

Stage at Diagnosis

1999 Washington State Female Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|------|
| In situ | 100% |
| Local | 96% |
| Regional | 77% |
| Distant | 21% |
| Unstaged | 52% |
| Overall | 87% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Breast (Female)

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

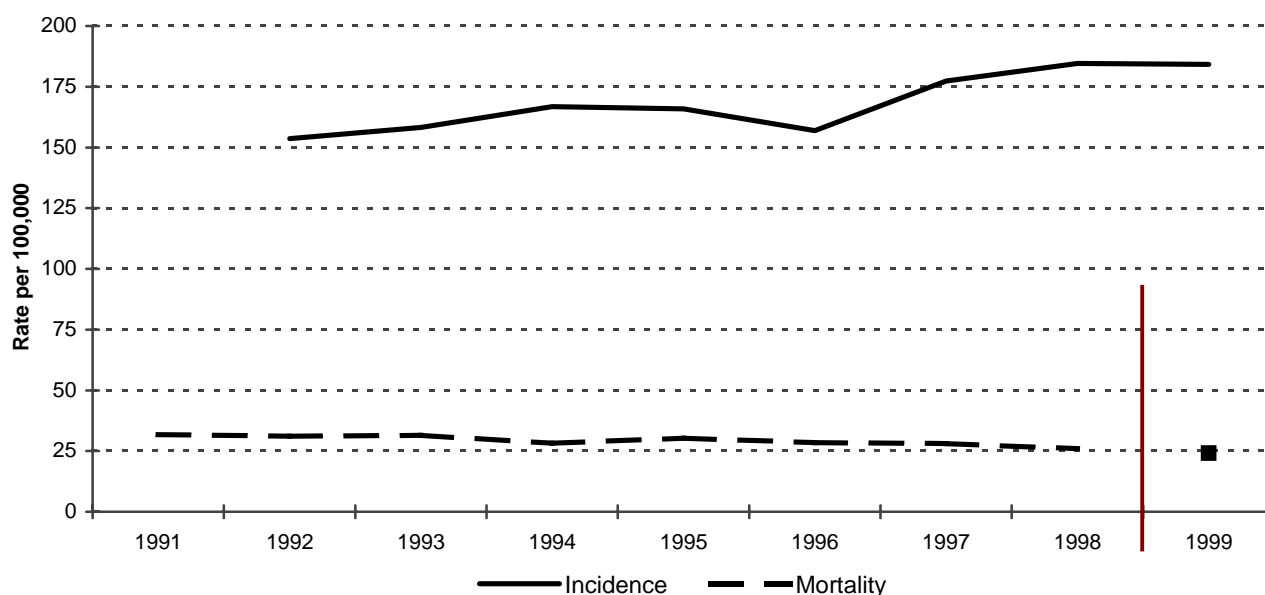
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Cervix (Uterine)

DATA DEFINITIONS: **Incidence data** were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C53.0-C53.9 excluding in situ cases, and excluding morphology codes 9590-9970. **Mortality data** were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 180.0 - 180.9, ICD-10 code C53.

1999 Washington State Female Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

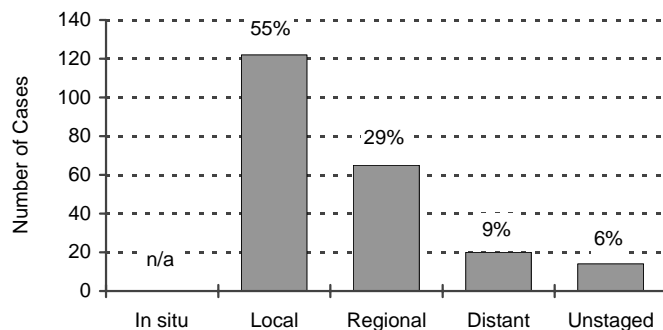
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | n/a | 221 | n/a |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | n/a | 6.1 | n/a |
| Age-Adjusted 2000 | n/a | 7.5 | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | n/a | 8.1 | n/a |
| Age-Adjusted 2000 | n/a | 9.6 | n/a |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | n/a | 59 | n/a |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | n/a | 1.8 | n/a |
| Age-Adjusted 2000 | n/a | 2.0 | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | n/a | 2.5 | n/a |
| Age-Adjusted 2000 | n/a | 3.0 | n/a |

Stage at Diagnosis

1999 Washington State Female Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 99% |
| Local | 91% |
| Regional | 49% |
| Distant | 14% |
| Unstaged | 54% |
| Overall | 70% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include only invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Cervix (Uterine)

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

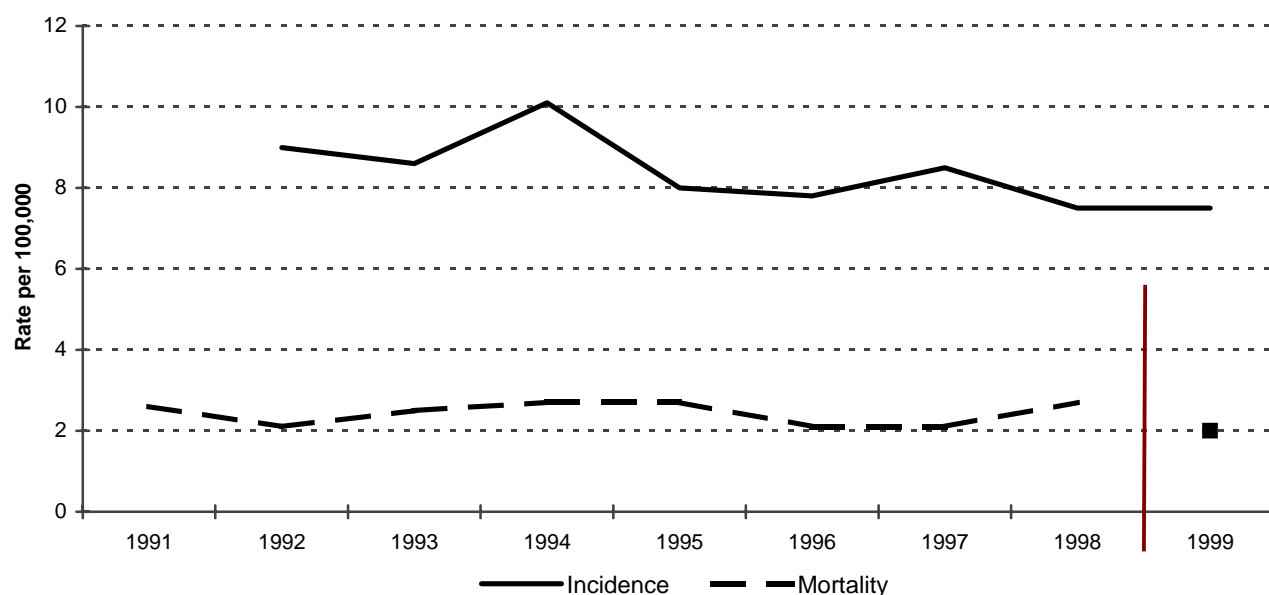
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Colorectal

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C18.0-C18.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 153.0 - 154.1, 159.0 ICD-10 codes C18-C20, C26.0.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

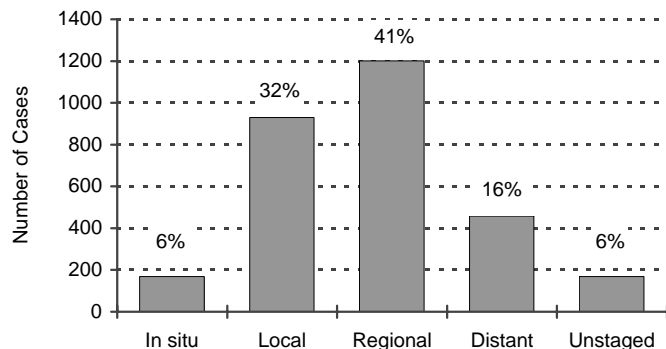
| Incidence | | | |
|-------------------------------|-------|--------|--------------------|
| | Male | Female | Total ³ |
| All Reportable Cancers | 1,521 | 1,389 | 2,911 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 52.2 | 36.7 | 43.7 |
| Age-Adjusted 2000 | 65.4 | 46.2 | 54.5 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 54.2 | 39.5 | 46.0 |
| Age-Adjusted 2000 | 67.9 | 49.8 | 57.6 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 508 | 486 | 994 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 17.4 | 11.6 | 14.2 |
| Age-Adjusted 2000 | 22.7 | 15.7 | 18.8 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 19.6 | 13.7 | 16.3 |
| Age-Adjusted 2000 | 25.6 | 18.3 | 21.4 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 95% |
| Local | 89% |
| Regional | 64% |
| Distant | 9% |
| Unstaged | 33% |
| Overall | 63% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

³ This includes one case that was not classified as male or female.

Colorectal

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

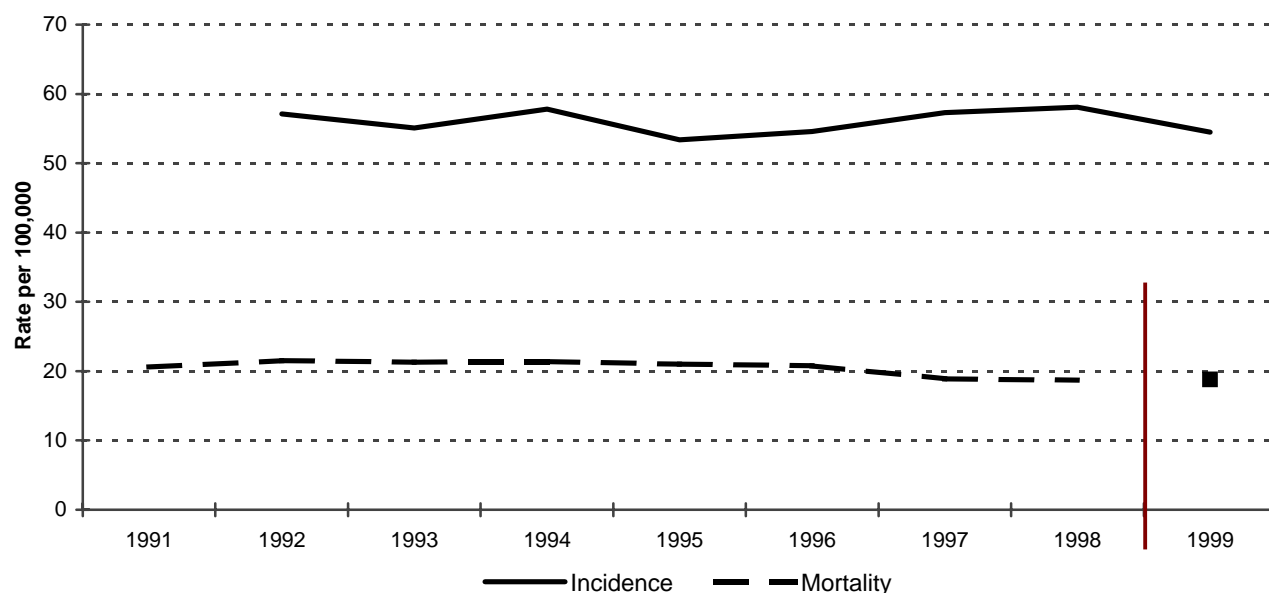
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Endometrium

DATA DEFINITIONS: **Incidence data** were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C54.0-C54.9, and excluding morphology codes 9590-9970. **Mortality data** were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 182.0 - 182.1, 182.8, ICD-10 codes C54.

1999 Washington State Female Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

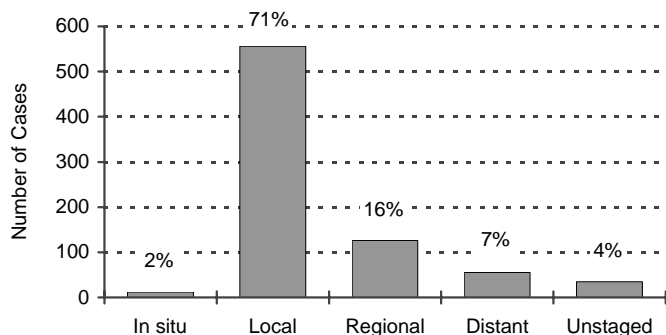
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | n/a | 784 | n/a |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | n/a | 23.6 | n/a |
| Age-Adjusted 2000 | n/a | 27.0 | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | n/a | 21.5 | n/a |
| Age-Adjusted 2000 | n/a | 24.8 | n/a |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | n/a | 54 | n/a |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | n/a | 1.5 | n/a |
| Age-Adjusted 2000 | n/a | 1.8 | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | n/a | 3.3 | n/a |
| Age-Adjusted 2000 | n/a | 4.1 | n/a |

Stage at Diagnosis

1999 Washington State Female Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|------|
| In situ | 100% |
| Local | 96% |
| Regional | 63% |
| Distant | 24% |
| Unstaged | 49% |
| Overall | 84% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Endometrium

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

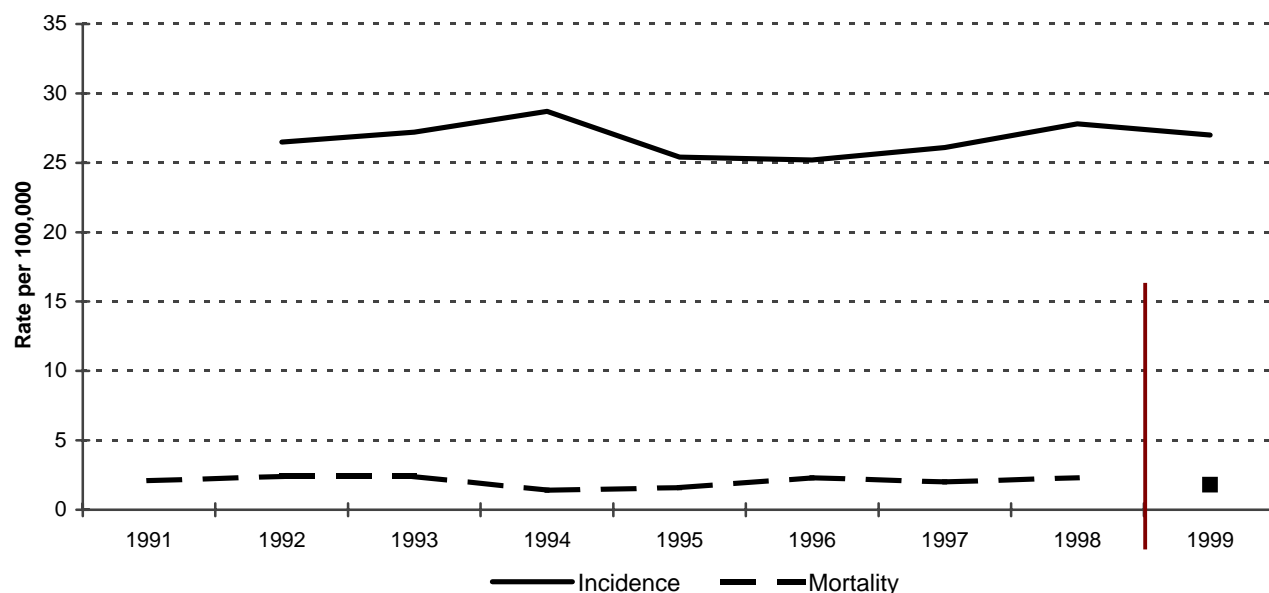
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Esophagus

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C15.0-C15.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 150.0-150.9, ICD-10 code C15.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

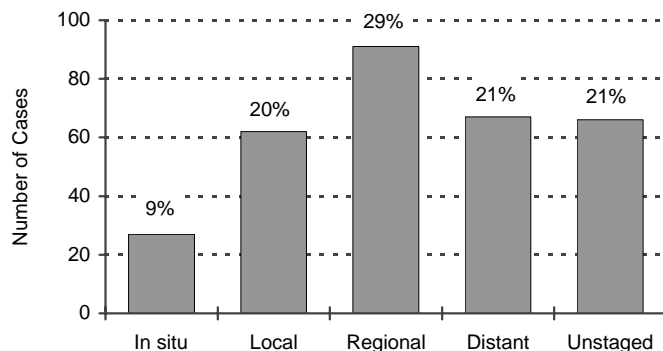
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 245 | 68 | 313 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 8.5 | 2.0 | 5.0 |
| Age-Adjusted 2000 | 10.1 | 2.3 | 5.8 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 6.4 | 1.6 | 3.8 |
| Age-Adjusted 2000 | 7.6 | 2.0 | 4.5 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 208 | 57 | 265 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 7.2 | 1.5 | 4.1 |
| Age-Adjusted 2000 | 9.0 | 1.9 | 5.0 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 6.4 | 1.5 | 3.7 |
| Age-Adjusted 2000 | 7.7 | 1.9 | 4.4 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 77% |
| Local | 27% |
| Regional | 13% |
| Distant | 3% |
| Unstaged | 11% |
| Overall | 15% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Esophagus

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

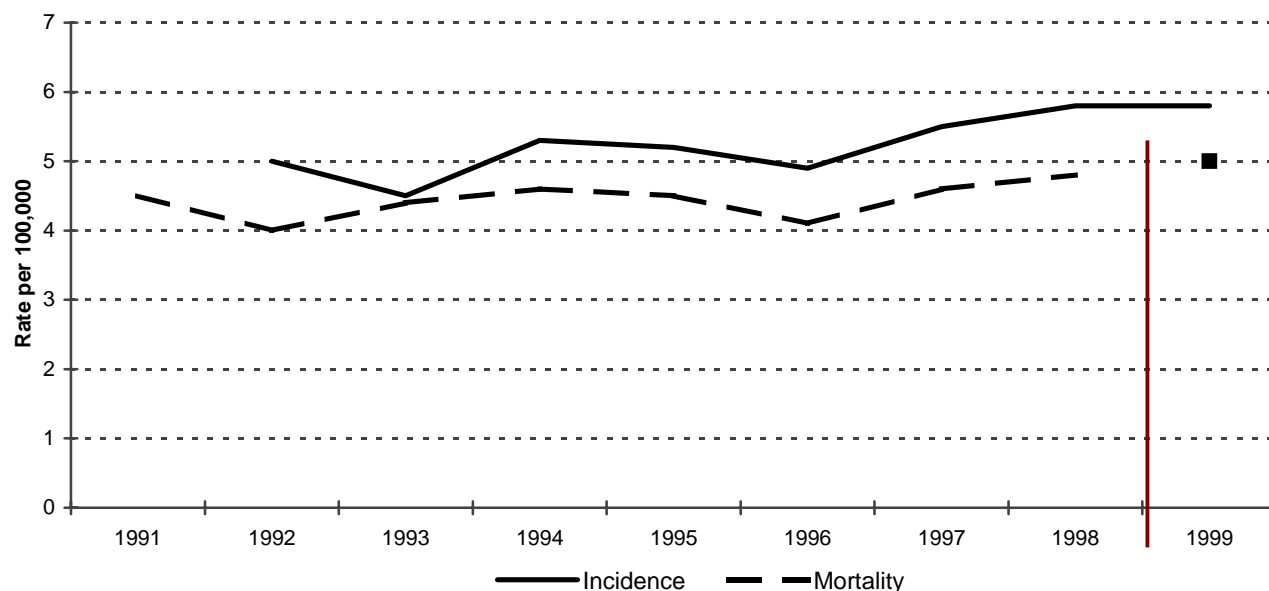
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Hodgkins Lymphoma

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using all primary sites with morphology codes 9650-9667. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 201.0 - 201.9, ICD-10 codes C81.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

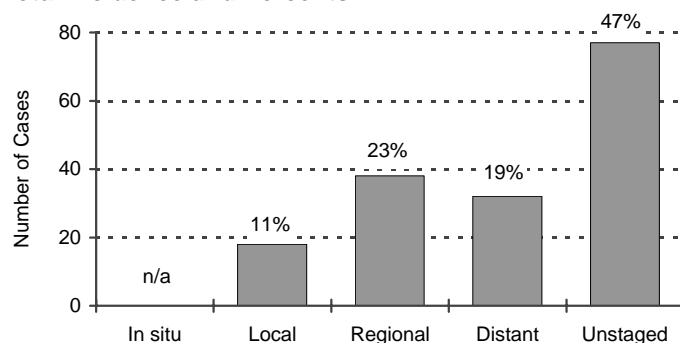
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 90 | 75 | 165 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 3.1 | 2.6 | 2.8 |
| Age-Adjusted 2000 | 3.3 | 2.6 | 2.9 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 2.8 | 2.3 | 2.5 |
| Age-Adjusted 2000 | 3.0 | 2.4 | 2.7 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 19 | 15 | 34 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 0.6 | 0.4 | 0.5 |
| Age-Adjusted 2000 | 0.7 | 0.5 | 0.6 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 0.5 | 0.3 | 0.4 |
| Age-Adjusted 2000 | 0.6 | 0.4 | 0.5 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | n/a |
| Local | 89% |
| Regional | 87% |
| Distant | 73% |
| Unstaged | 79% |
| Overall | 82% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Hodgkins Lymphoma

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

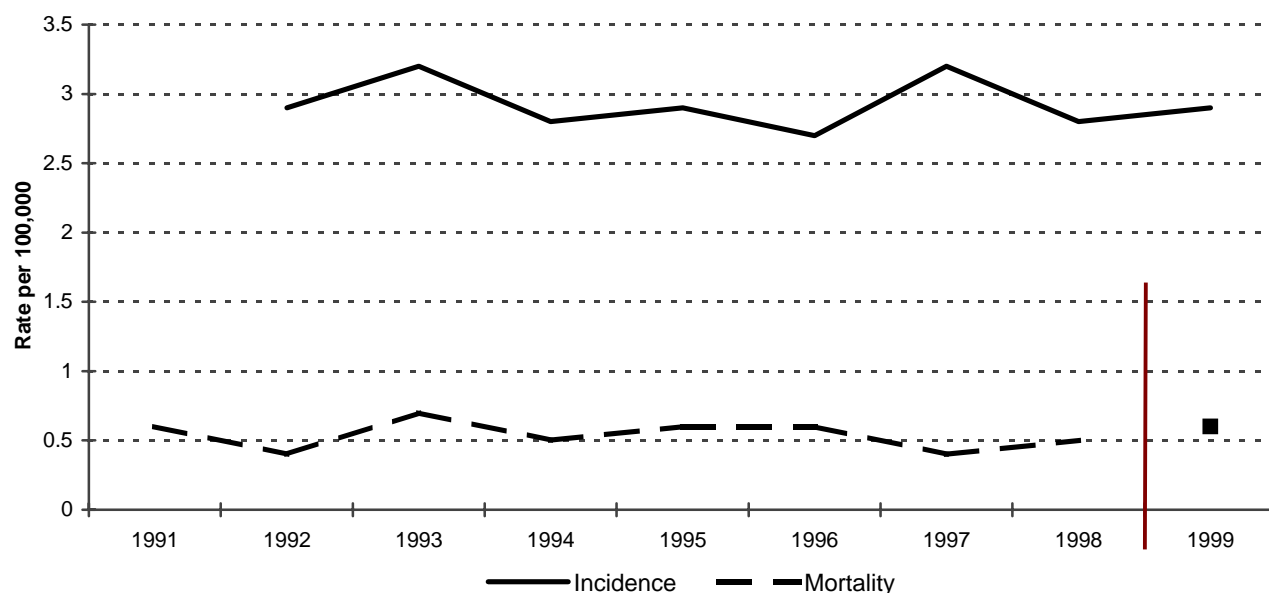
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Kaposi Sarcoma

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using all primary sites with morphology code 9140. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 code 176, ICD-10 code C46.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

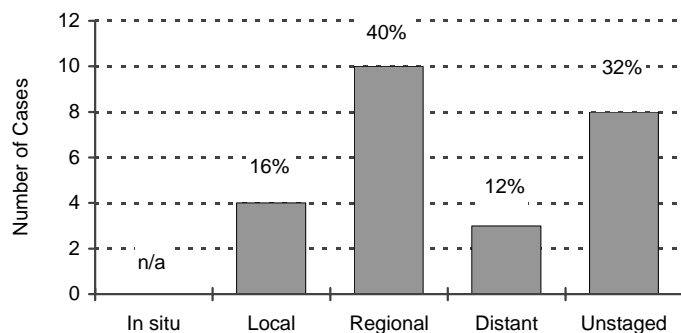
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 24 | 1 | 25 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 0.7 | n/c | 0.4 |
| Age-Adjusted 2000 | 0.8 | n/c | 0.4 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 1.3 | 0.1 | 0.7 |
| Age-Adjusted 2000 | 1.7 | 0.1 | 0.9 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 0 | 0 | 0 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | n/c | n/c | n/c |
| Age-Adjusted 2000 | n/c | n/c | n/c |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | n/a | n/a | n/a |
| Age-Adjusted 2000 | n/a | n/a | n/a |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | n/a |
| Local | n/a |
| Regional | n/a |
| Distant | n/a |
| Unstaged | 20% |
| Overall | 20% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Kaposi Sarcoma

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

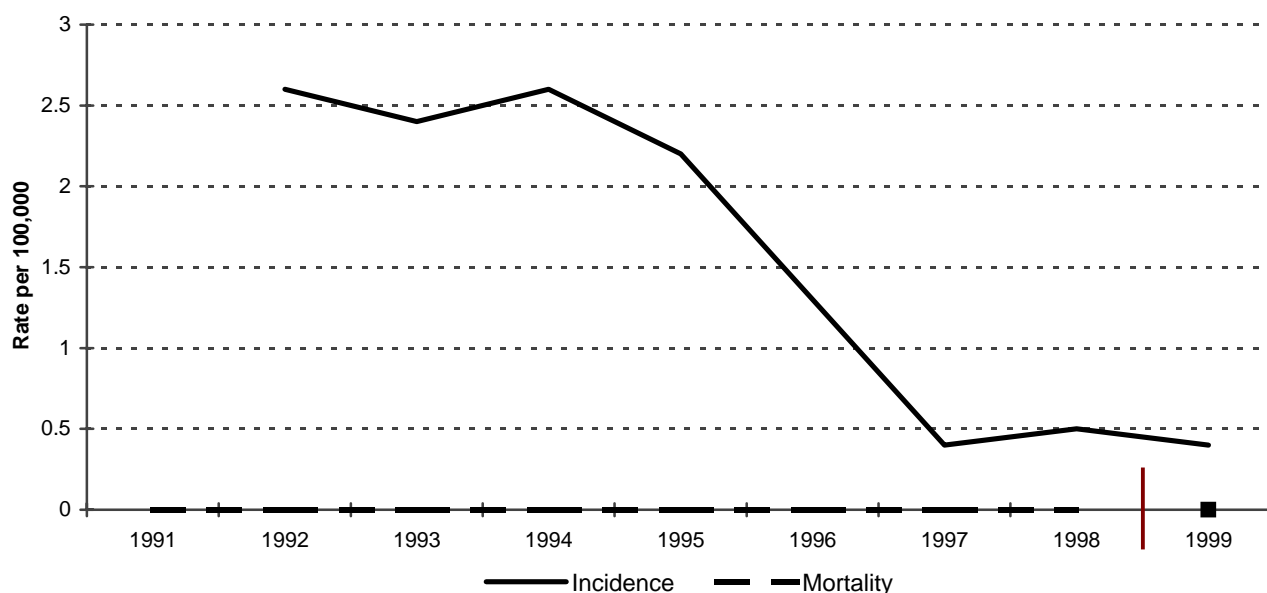
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Kidney and Renal Pelvis

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C64.9, C65.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 189.0, 189.1, ICD-10 codes C64-C65.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

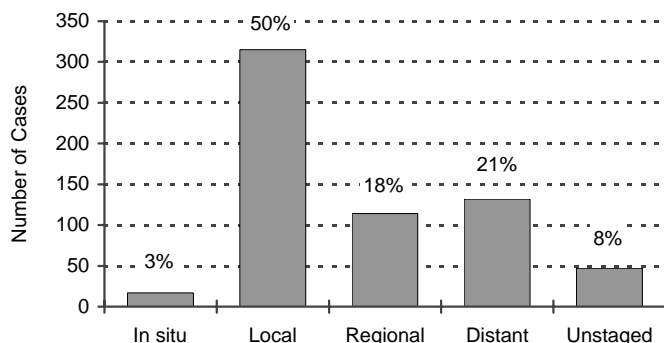
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 379 | 246 | 625 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 12.9 | 7.1 | 9.7 |
| Age-Adjusted 2000 | 15.4 | 8.4 | 11.5 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 13.2 | 6.5 | 9.5 |
| Age-Adjusted 2000 | 15.6 | 7.6 | 11.1 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 141 | 92 | 233 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 4.9 | 2.6 | 3.6 |
| Age-Adjusted 2000 | 6.0 | 3.1 | 4.4 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 5.1 | 2.3 | 3.5 |
| Age-Adjusted 2000 | 6.2 | 2.8 | 4.3 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 95% |
| Local | 89% |
| Regional | 60% |
| Distant | 9% |
| Unstaged | 27% |
| Overall | 62% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Kidney and Renal Pelvis

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

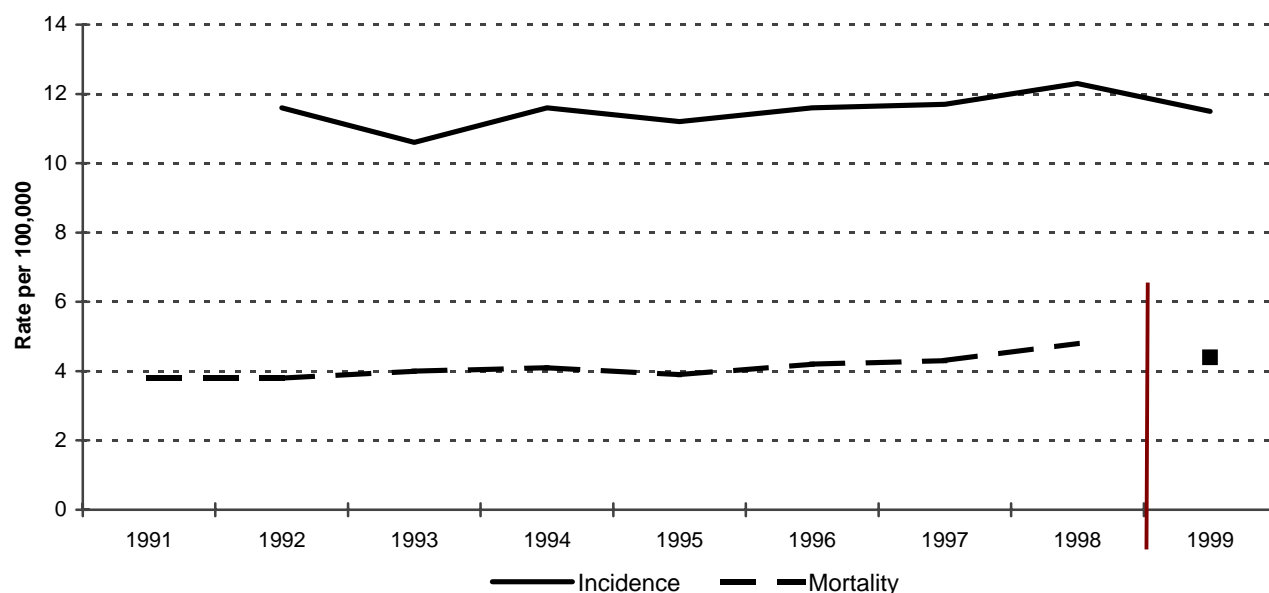
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Larynx

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C32.0-C32.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 161.0 - 161.9, ICD-10 code C32.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

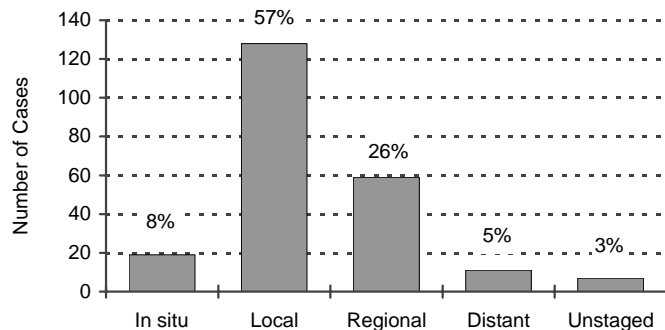
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 177 | 47 | 224 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 6.2 | 1.5 | 3.6 |
| Age-Adjusted 2000 | 7.3 | 1.6 | 4.2 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 6.1 | 1.4 | 3.5 |
| Age-Adjusted 2000 | 7.1 | 1.6 | 4.0 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 52 | 18 | 70 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 1.8 | 0.5 | 1.1 |
| Age-Adjusted 2000 | 2.3 | 0.6 | 1.3 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 2.2 | 0.5 | 1.2 |
| Age-Adjusted 2000 | 2.6 | 0.6 | 1.4 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 97% |
| Local | 82% |
| Regional | 49% |
| Distant | 36% |
| Unstaged | 50% |
| Overall | 66% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Larynx

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

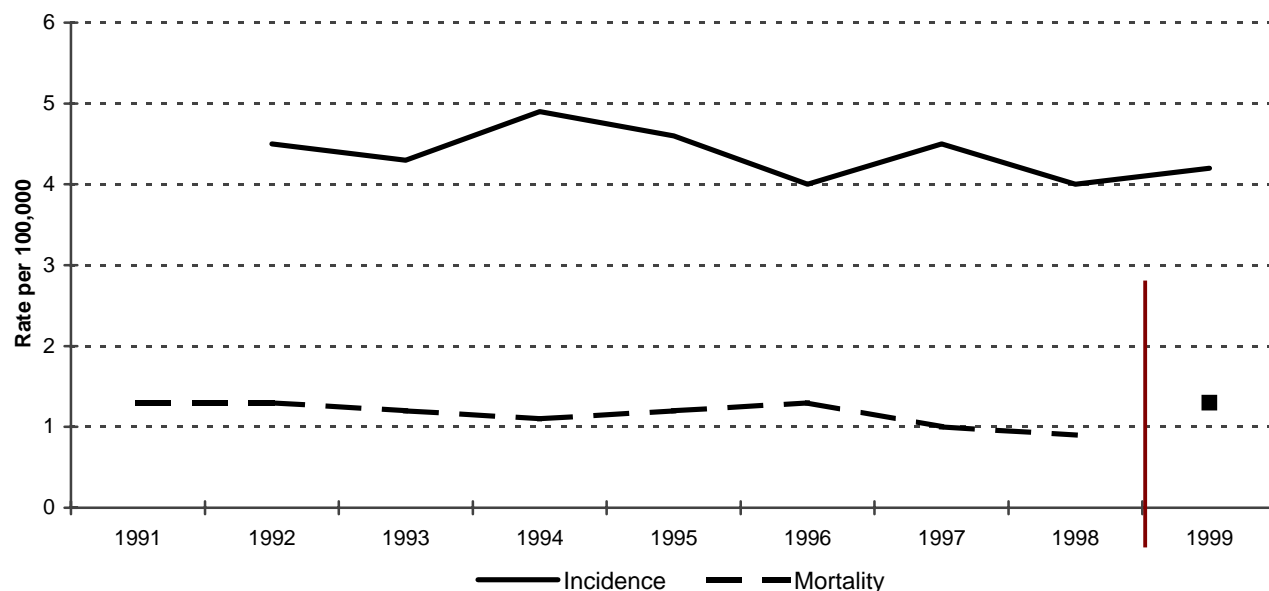
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Leukemia

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using all primary sites with morphology codes 9800-9941. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 204.0 - 208.9, ICD-10 codes C90.1, C91-C95.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

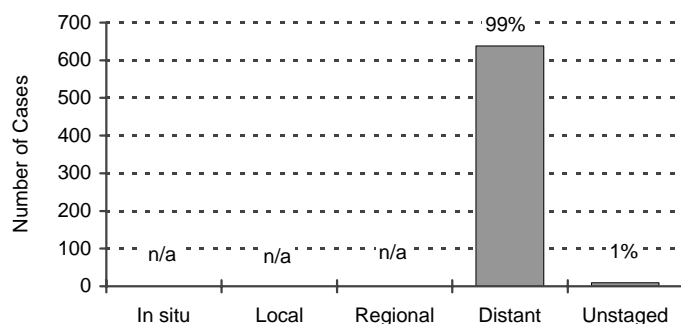
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 393 | 254 | 647 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 13.5 | 7.4 | 10.1 |
| Age-Adjusted 2000 | 16.5 | 8.5 | 11.9 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 12.3 | 7.7 | 9.7 |
| Age-Adjusted 2000 | 14.6 | 8.8 | 11.3 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 249 | 206 | 455 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 8.4 | 5.4 | 6.6 |
| Age-Adjusted 2000 | 11.2 | 6.8 | 8.5 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 7.9 | 4.6 | 6.0 |
| Age-Adjusted 2000 | 10.1 | 5.9 | 7.6 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | n/a |
| Local | n/a |
| Regional | n/a |
| Distant | 44% |
| Unstaged | n/a |
| Overall | 44% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Leukemia

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

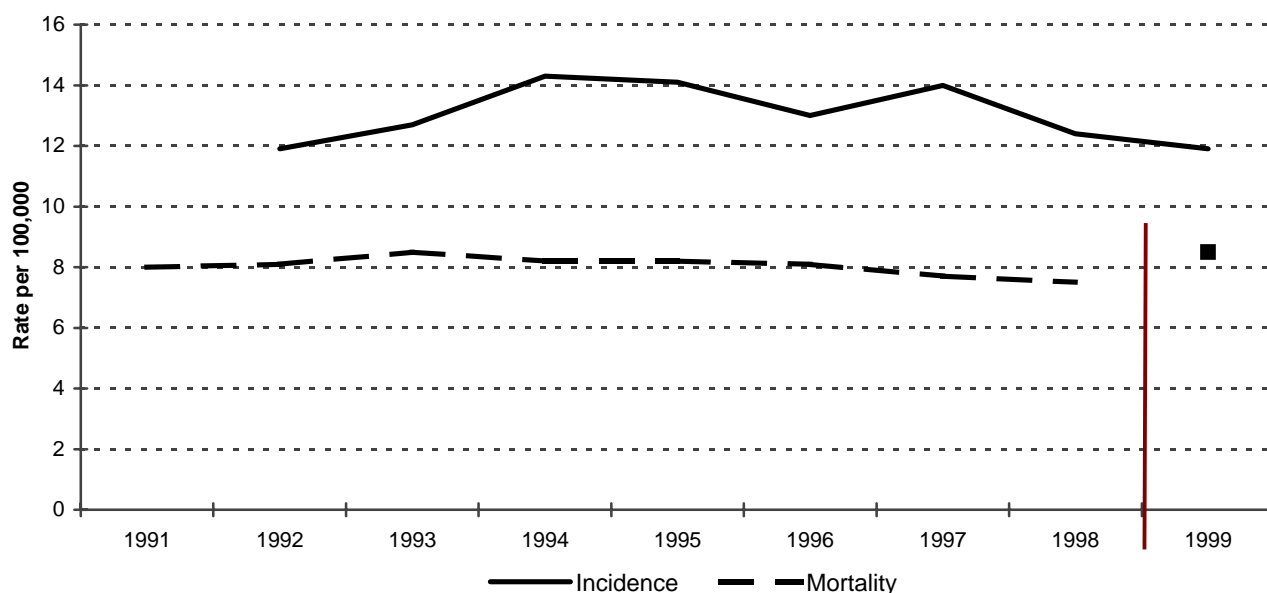
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Liver

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C22.0 and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 155.0, 155.2, ICD-10 codes C22.0, C22.2-C22.4, C22.7, C22.9.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

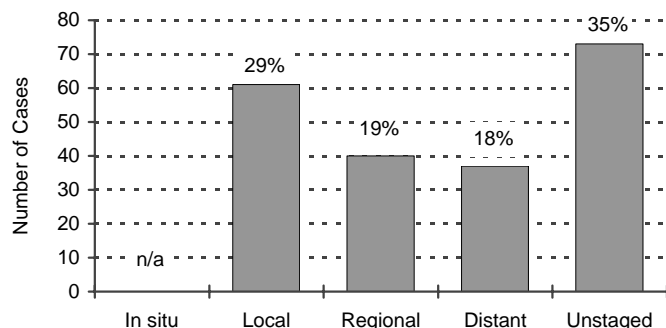
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 147 | 64 | 211 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 4.8 | 1.8 | 3.2 |
| Age-Adjusted 2000 | 5.8 | 2.2 | 3.9 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 6.2 | 2.1 | 4.0 |
| Age-Adjusted 2000 | 7.3 | 2.5 | 4.7 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 116 | 60 | 176 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 3.9 | 1.5 | 2.6 |
| Age-Adjusted 2000 | 4.8 | 2.0 | 3.3 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 4.7 | 1.7 | 3.0 |
| Age-Adjusted 2000 | 5.7 | 2.1 | 3.7 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | n/a |
| Local | 16% |
| Regional | 7% |
| Distant | 2% |
| Unstaged | 3% |
| Overall | 7% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Liver

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

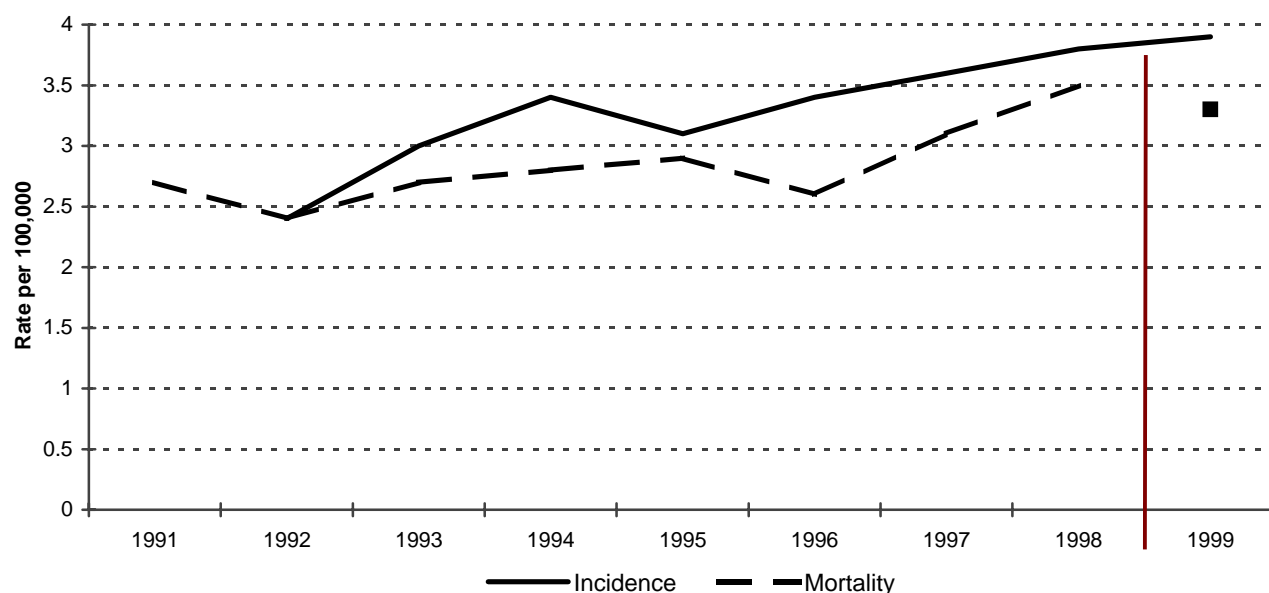
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Lung and Bronchus

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C34.0-C34.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 162.2 - 162.9, ICD-10 codes C34.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

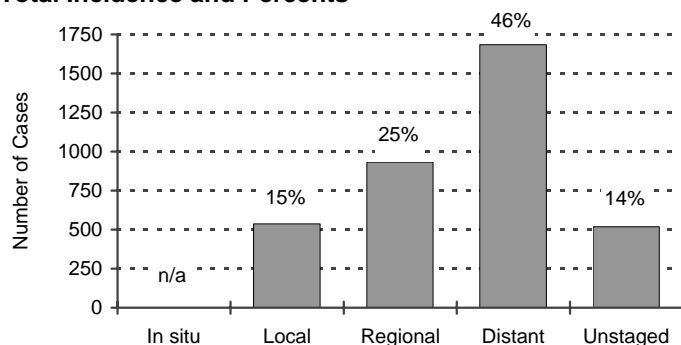
| Incidence | | | |
|-------------------------------|-------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 2,015 | 1,657 | 3,672 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 71.1 | 48.9 | 58.6 |
| Age-Adjusted 2000 | 85.7 | 57.0 | 69.1 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 65.6 | 41.2 | 51.7 |
| Age-Adjusted 2000 | 79.1 | 48.4 | 61.3 |

| Mortality | | | |
|------------------------------|-------|--------|-------|
| | Male | Female | Total |
| Deaths | 1,684 | 1,368 | 3,052 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 59.0 | 38.5 | 47.3 |
| Age-Adjusted 2000 | 73.5 | 46.4 | 57.7 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 65.4 | 34.6 | 47.9 |
| Age-Adjusted 2000 | 80.1 | 41.5 | 57.6 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 35% |
| Local | 49% |
| Regional | 21% |
| Distant | 3% |
| Unstaged | 8% |
| Overall | 14% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Lung and Bronchus

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

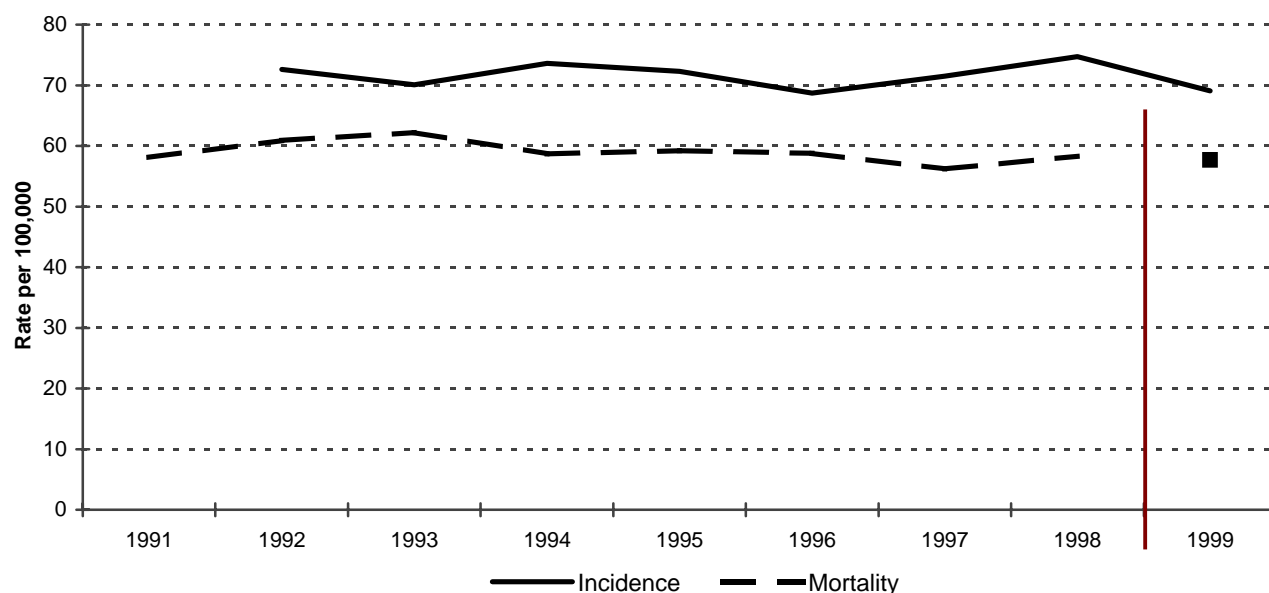
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Melanoma of the Skin

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C44.0-C44.9, including only morphology codes 8720-8790. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 172.0 - 172.9, ICD-10 code C43.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

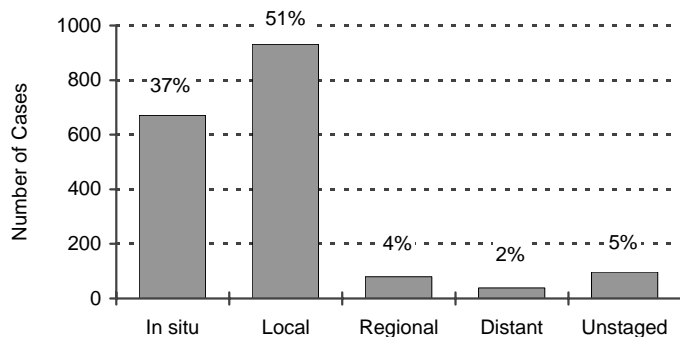
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 939 | 877 | 1,816 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 31.0 | 25.7 | 27.8 |
| Age-Adjusted 2000 | 36.9 | 30.0 | 32.6 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 26.2 | 17.1 | 21.0 |
| Age-Adjusted 2000 | 31.5 | 20.2 | 24.9 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 106 | 72 | 178 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 3.5 | 2.0 | 2.7 |
| Age-Adjusted 2000 | 4.5 | 2.4 | 3.3 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 3.3 | 1.4 | 2.3 |
| Age-Adjusted 2000 | 4.1 | 1.8 | 2.8 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|------|
| In situ | 100% |
| Local | 96% |
| Regional | 60% |
| Distant | 12% |
| Unstaged | 70% |
| Overall | 93% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Melanoma of the Skin

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

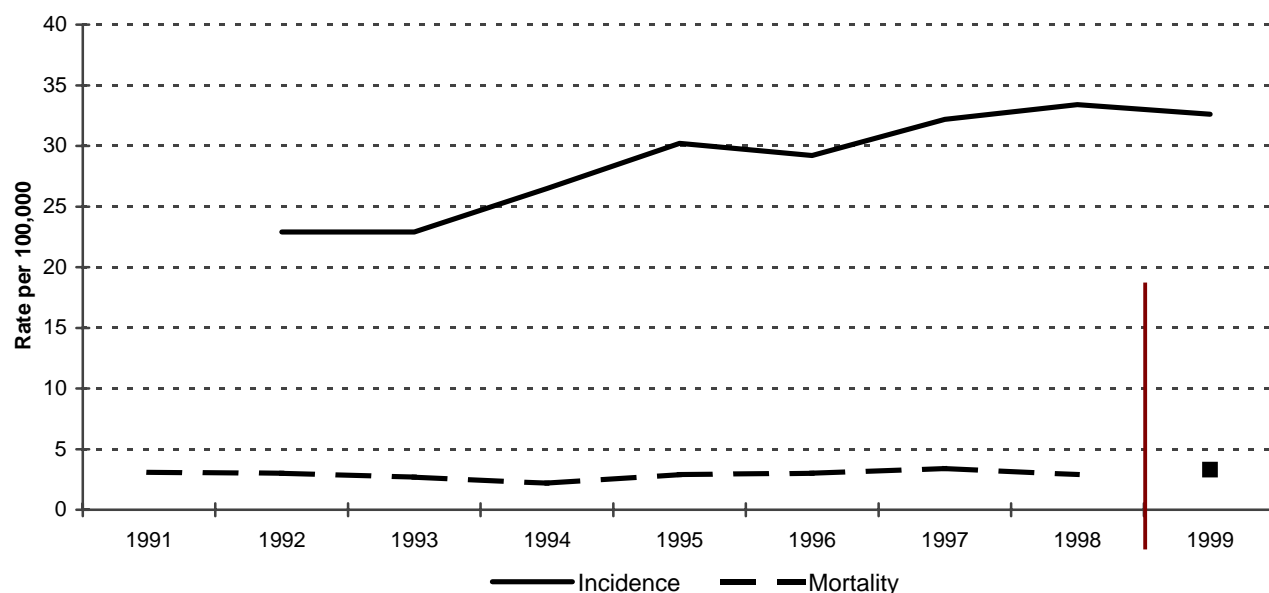
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Multiple Myeloma

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using all primary sites with morphology codes 9731-9732. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 203.0, 203.2 - 203.8, ICD-10 codes C90.0, C90.2.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

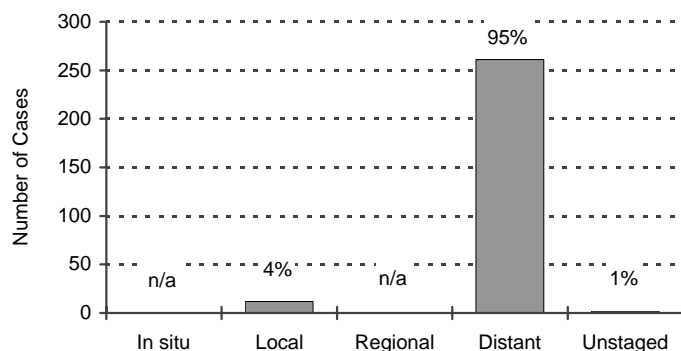
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 161 | 114 | 275 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 5.6 | 3.2 | 4.3 |
| Age-Adjusted 2000 | 6.9 | 3.9 | 5.2 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 5.2 | 3.4 | 4.2 |
| Age-Adjusted 2000 | 6.3 | 4.1 | 5.1 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 119 | 106 | 225 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 4.1 | 2.7 | 3.3 |
| Age-Adjusted 2000 | 5.3 | 3.5 | 4.3 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 3.7 | 2.5 | 3.0 |
| Age-Adjusted 2000 | 4.8 | 3.2 | 3.9 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | n/a |
| Local | n/a |
| Regional | n/a |
| Distant | 29% |
| Unstaged | n/a |
| Overall | 29% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Multiple Myeloma

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

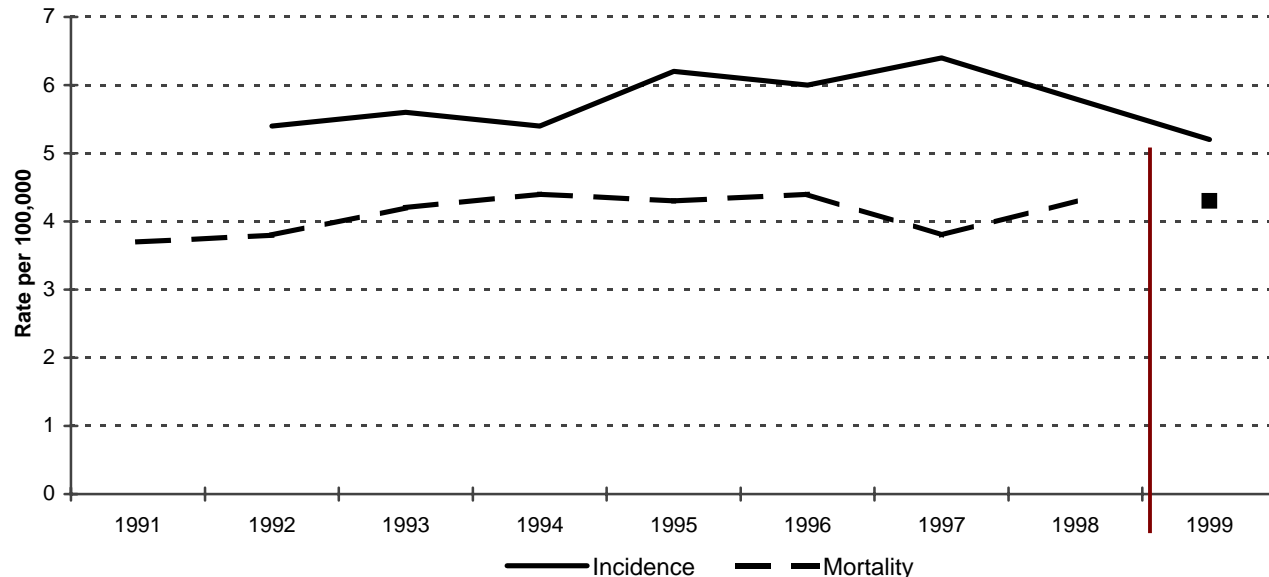
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Non-Hodgkins Lymphoma

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using all primary sites with morphology codes 9590-9595, 9670-9719. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 200.0-200.8, 202.0-202.2, 202.8-202.9, ICD-10 codes C82-C85.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

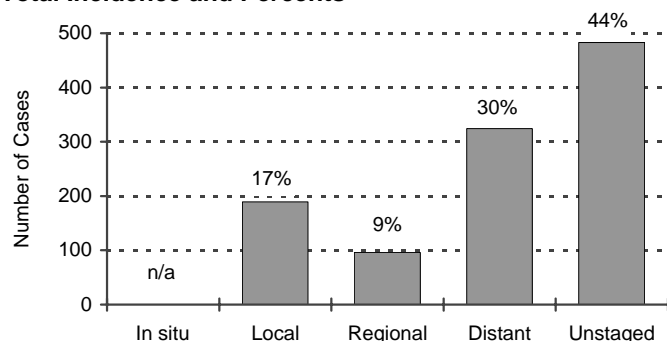
| Incidence | | | |
|-------------------------------|------|--------|--------------------|
| | Male | Female | Total ³ |
| All Reportable Cancers | 586 | 505 | 1,092 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 19.5 | 14.1 | 16.6 |
| Age-Adjusted 2000 | 23.7 | 17.1 | 20.1 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 18.2 | 12.7 | 15.2 |
| Age-Adjusted 2000 | 21.9 | 15.4 | 18.3 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 268 | 225 | 493 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 9.0 | 5.7 | 7.2 |
| Age-Adjusted 2000 | 11.6 | 7.4 | 9.2 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 8.5 | 5.6 | 6.9 |
| Age-Adjusted 2000 | 10.9 | 7.2 | 8.8 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | n/a |
| Local | 65% |
| Regional | 59% |
| Distant | 41% |
| Unstaged | 56% |
| Overall | 52% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

³ Includes one case that was not classified as male or female.

Non-Hodgkins Lymphoma

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

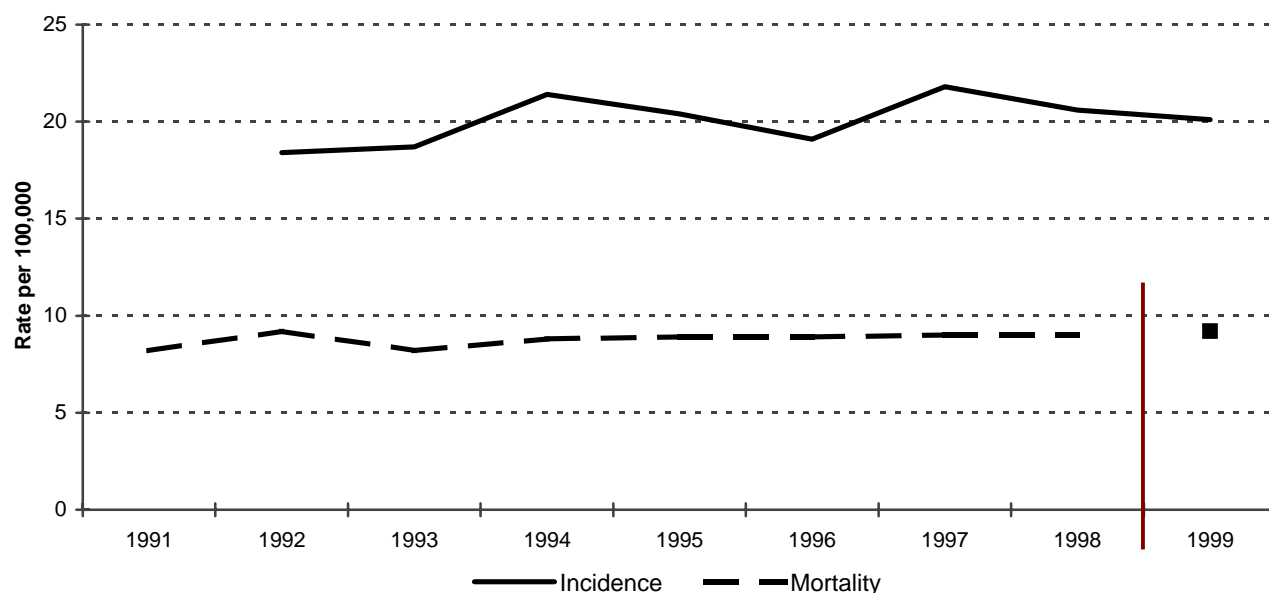
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Oral Cavity and Pharynx

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C00.0-C14.8, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 140.0 - 149.9, ICD-10 codes C00-C14.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

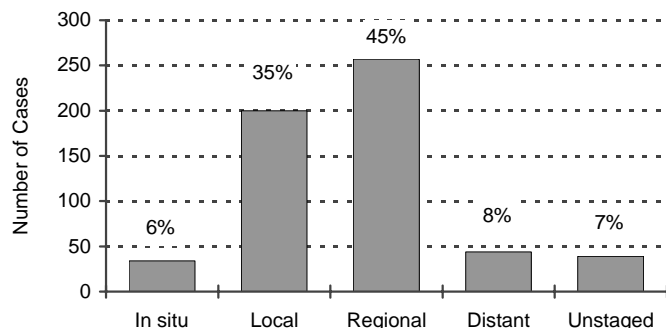
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 371 | 203 | 574 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 12.5 | 5.8 | 9.0 |
| Age-Adjusted 2000 | 14.6 | 6.9 | 10.5 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 13.9 | 5.6 | 9.4 |
| Age-Adjusted 2000 | 16.2 | 6.7 | 11.0 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 93 | 56 | 149 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 3.3 | 1.5 | 2.4 |
| Age-Adjusted 2000 | 3.8 | 1.9 | 2.8 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 3.8 | 1.4 | 2.5 |
| Age-Adjusted 2000 | 4.6 | 1.7 | 3.0 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 83% |
| Local | 82% |
| Regional | 47% |
| Distant | 21% |
| Unstaged | 45% |
| Overall | 57% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Oral Cavity and Pharynx

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

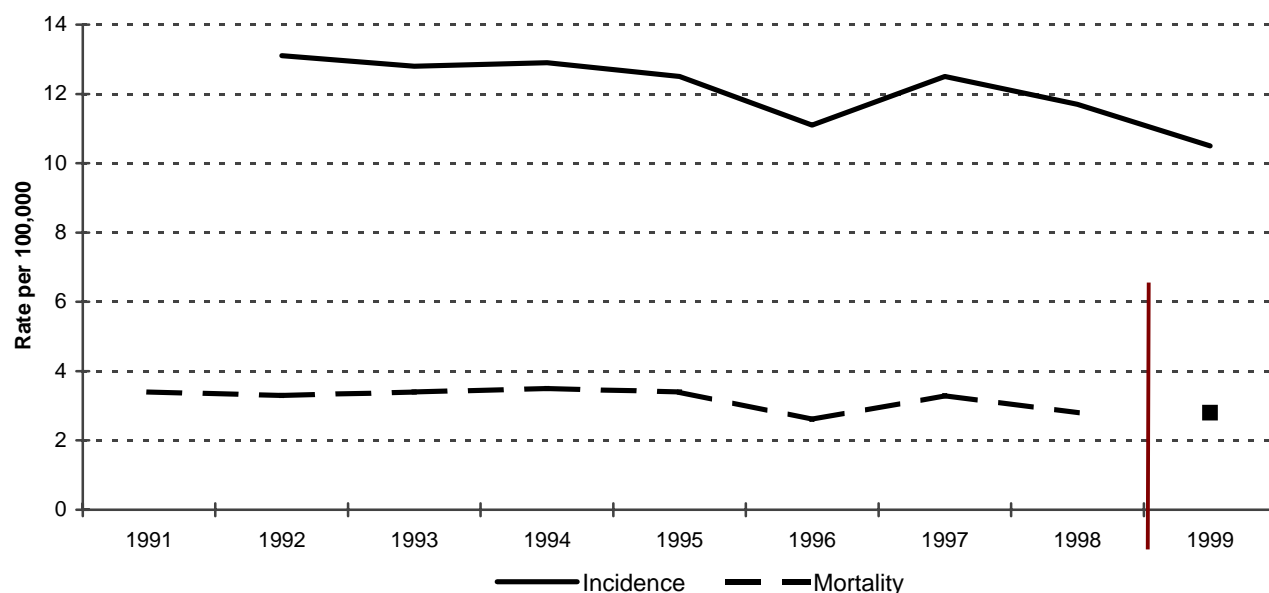
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Ovary

DATA DEFINITIONS: **Incidence data** were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C56.9, and excluding morphology codes 9590-9970. **Mortality data** were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 183.0, ICD-10 code C56.

1999 Washington State Female Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

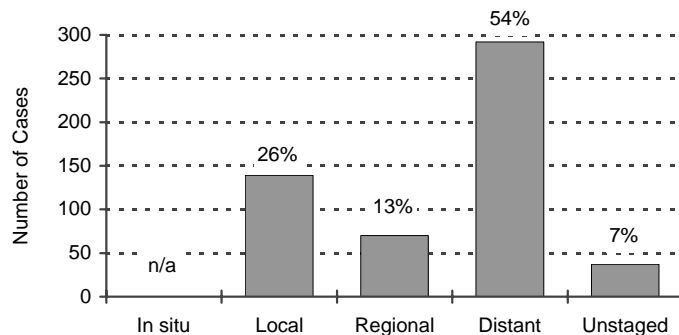
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | n/a | 538 | n/a |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | n/a | 16.3 | n/a |
| Age-Adjusted 2000 | n/a | 18.6 | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | n/a | 14.0 | n/a |
| Age-Adjusted 2000 | n/a | 16.3 | n/a |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | n/a | 307 | n/a |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | n/a | 8.4 | n/a |
| Age-Adjusted 2000 | n/a | 10.3 | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | n/a | 7.2 | n/a |
| Age-Adjusted 2000 | n/a | 8.8 | n/a |

Stage at Diagnosis

1999 Washington State Female Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 96% |
| Local | 95% |
| Regional | 79% |
| Distant | 30% |
| Unstaged | 26% |
| Overall | 53% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Ovary

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

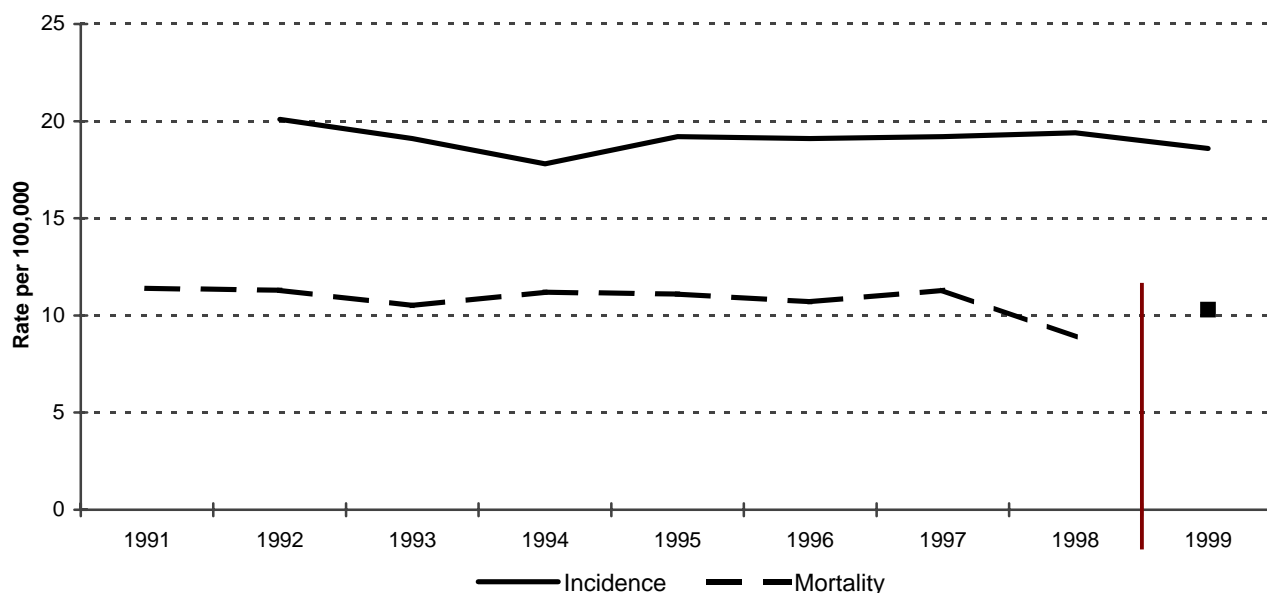
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Pancreas

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C25.0-C25.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 157.0 - 157.9, ICD-10 code C25.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

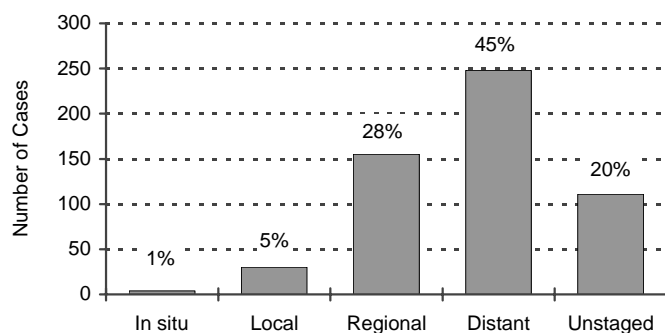
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 282 | 266 | 548 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 9.7 | 7.2 | 8.3 |
| Age-Adjusted 2000 | 11.9 | 8.9 | 10.3 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 9.7 | 7.5 | 8.5 |
| Age-Adjusted 2000 | 12.0 | 9.4 | 10.5 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 266 | 291 | 557 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 9.2 | 7.3 | 8.2 |
| Age-Adjusted 2000 | 11.6 | 9.5 | 10.5 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 9.8 | 7.2 | 8.3 |
| Age-Adjusted 2000 | 12.3 | 9.3 | 10.6 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 95% |
| Local | 17% |
| Regional | 8% |
| Distant | 2% |
| Unstaged | 3% |
| Overall | 5% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Pancreas

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

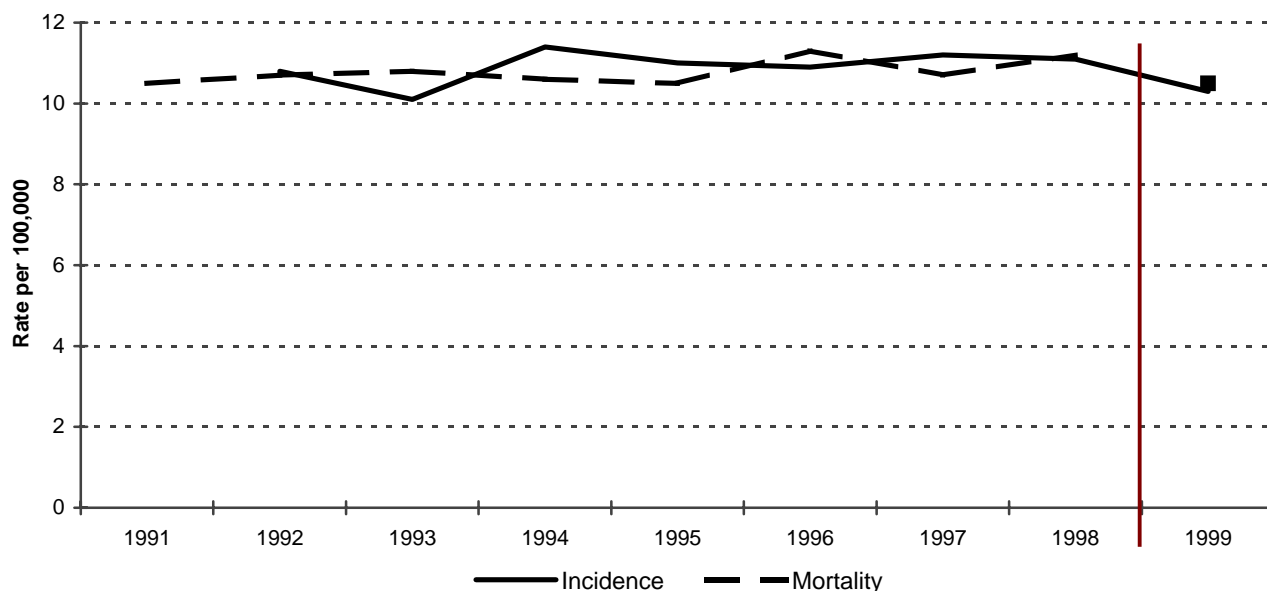
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Prostate

DATA DEFINITIONS: **Incidence data** were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C61.9, and excluding morphology codes 9590-9970. **Mortality data** were obtained from Washington State death certificates using the underlying cause of death ICD-9 code 185, ICD-10 code C61.

1999 Washington State Male Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

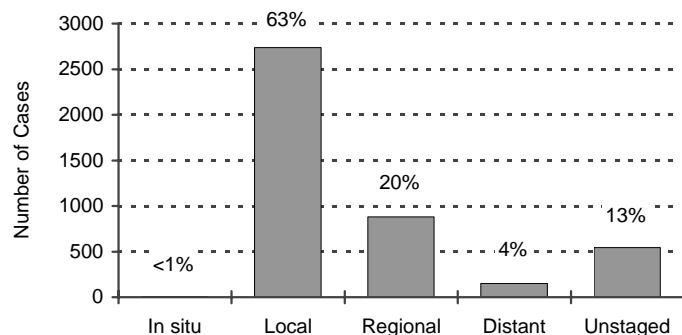
| Incidence | | | |
|-------------------------------|-------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 4,317 | n/a | n/a |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 155.9 | n/a | n/a |
| Age-Adjusted 2000 | 180.8 | n/a | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 134.9 | n/a | n/a |
| Age-Adjusted 2000 | 158.1 | n/a | n/a |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 599 | n/a | n/a |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 19.5 | n/a | n/a |
| Age-Adjusted 2000 | 30.2 | n/a | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 21.5 | n/a | n/a |
| Age-Adjusted 2000 | 32.2 | n/a | n/a |

Stage at Diagnosis

1999 Washington State Male Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|------|
| In situ | 100% |
| Local | 100% |
| Regional | 100% |
| Distant | 34% |
| Unstaged | 87% |
| Overall | 96% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancer.

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Prostate

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

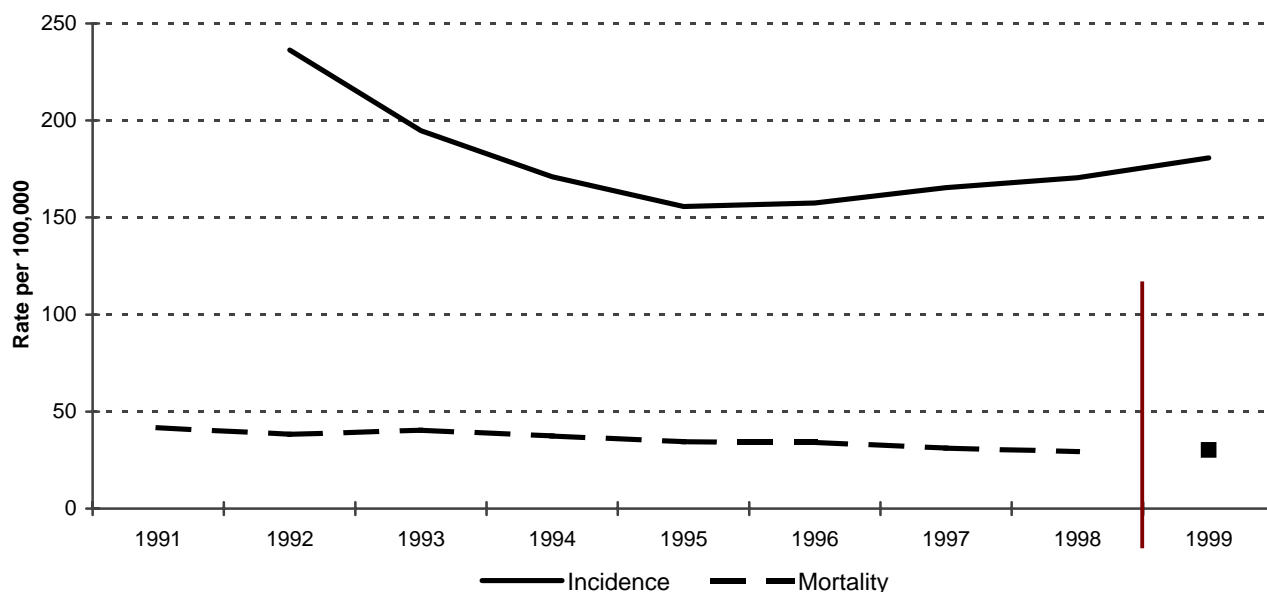
> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10: Preliminary Estimates** at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Stomach

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C16.0-C16.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 151.0 - 151.9, ICD-10 code C16.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

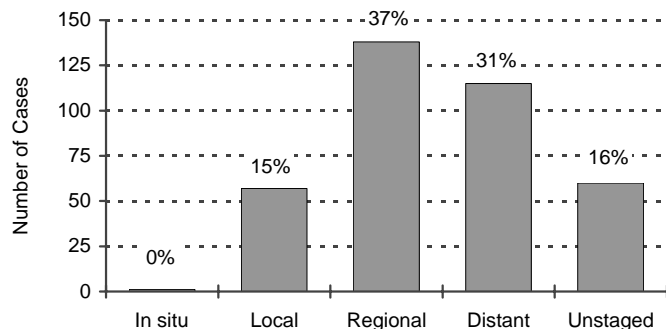
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 238 | 133 | 371 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 8.2 | 3.5 | 5.6 |
| Age-Adjusted 2000 | 10.1 | 4.4 | 6.9 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 9.8 | 4.9 | 7.0 |
| Age-Adjusted 2000 | 12.3 | 6.3 | 8.8 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 132 | 81 | 213 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 4.4 | 2.0 | 3.1 |
| Age-Adjusted 2000 | 5.8 | 2.6 | 4.0 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 5.3 | 2.6 | 3.8 |
| Age-Adjusted 2000 | 6.8 | 3.4 | 4.9 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|-----|
| In situ | 79% |
| Local | 59% |
| Regional | 22% |
| Distant | 3% |
| Unstaged | 15% |
| Overall | 23% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Stomach

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

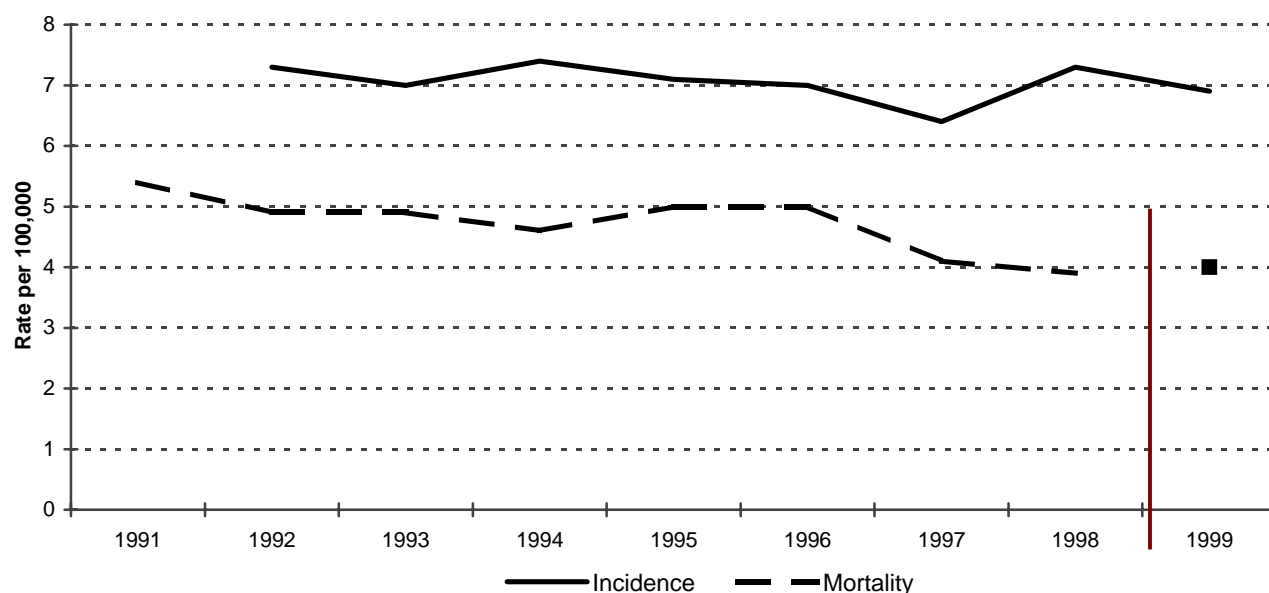
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Testis

DATA DEFINITIONS: **Incidence data** were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C62.0-C62.9, and excluding morphology codes 9590-9970. **Mortality data** were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 186.0 - 186.9, ICD-10 code C62.

1999 Washington State Male Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

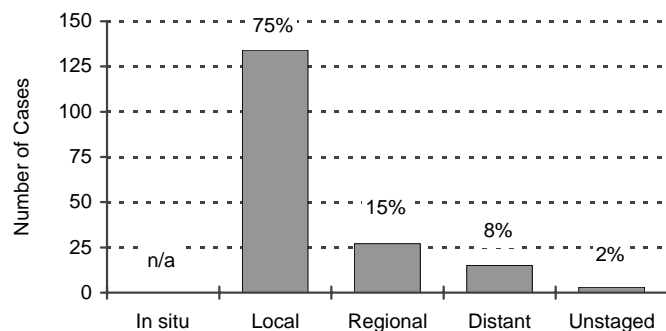
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 179 | n/a | n/a |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 5.3 | n/a | n/a |
| Age-Adjusted 2000 | 6.1 | n/a | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 4.7 | n/a | n/a |
| Age-Adjusted 2000 | 5.3 | n/a | n/a |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 12 | n/a | n/a |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 0.3 | n/a | n/a |
| Age-Adjusted 2000 | 0.4 | n/a | n/a |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 0.2 | n/a | n/a |
| Age-Adjusted 2000 | 0.3 | n/a | n/a |

Stage at Diagnosis

1999 Washington State Male Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|------|
| In situ | 100% |
| Local | 98% |
| Regional | 95% |
| Distant | 73% |
| Unstaged | 89% |
| Overall | 95% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancer.

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Testis

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10:**

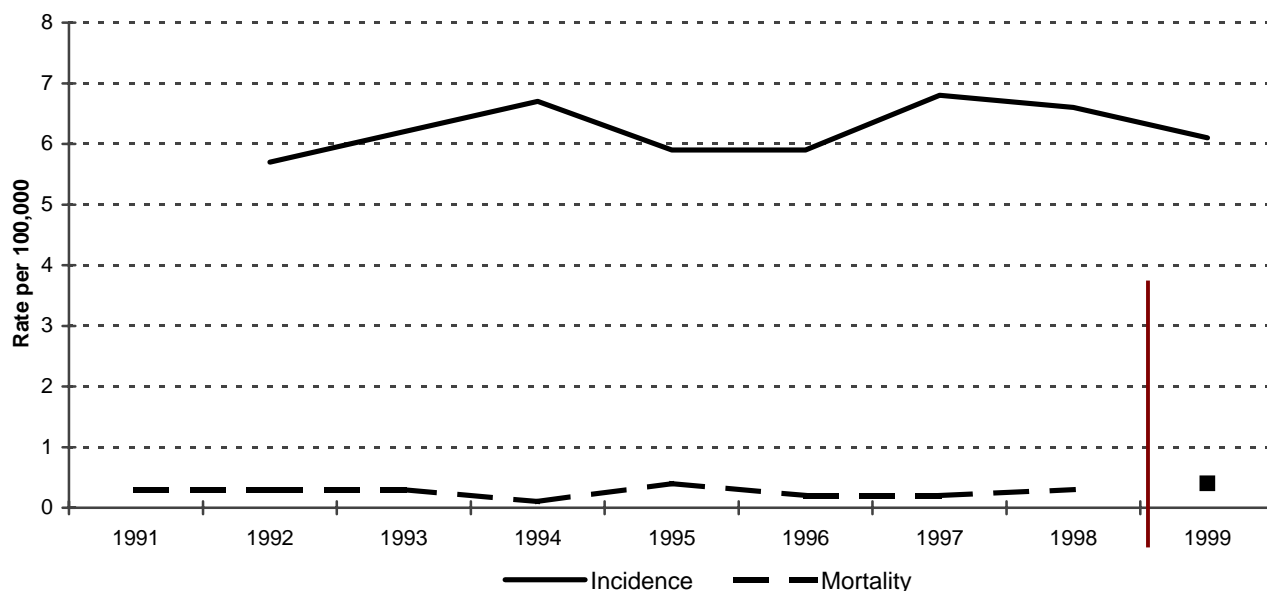
Preliminary Estimates at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population



Thyroid

DATA DEFINITIONS: Incidence data were obtained from the Washington State Cancer Registry using primary site ICD-0 code C73.9, and excluding morphology codes 9590-9970. Mortality data were obtained from Washington State death certificates using the underlying cause of death ICD-9 code 193, ICD-10 code C73.

1999 Washington State Residents

Incidence and Mortality Summary by Sex

Counts and age-adjusted rates per 100,000¹

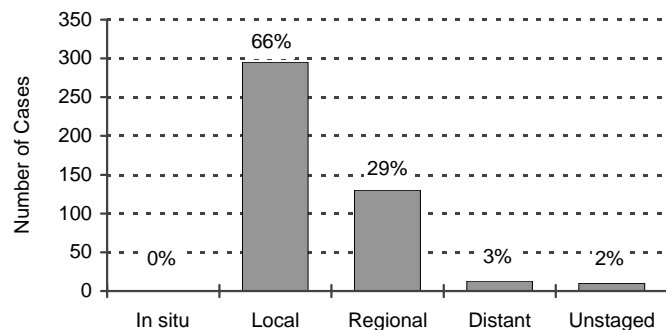
| Incidence | | | |
|-------------------------------|------|--------|-------|
| | Male | Female | Total |
| All Reportable Cancers | 115 | 333 | 448 |
| Total Incidence Rates | | | |
| Age-Adjusted 1970 | 3.7 | 10.1 | 6.8 |
| Age-Adjusted 2000 | 4.2 | 11.5 | 7.8 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 2.9 | 8.4 | 5.7 |
| Age-Adjusted 2000 | 3.3 | 9.7 | 6.6 |

| Mortality | | | |
|------------------------------|------|--------|-------|
| | Male | Female | Total |
| Deaths | 5 | 13 | 18 |
| Total Mortality Rates | | | |
| Age-Adjusted 1970 | 0.2 | 0.4 | 0.3 |
| Age-Adjusted 2000 | 0.2 | 0.4 | 0.3 |
| 1998 National Rates | | | |
| Age-Adjusted 1970 | 0.3 | 0.4 | 0.3 |
| Age-Adjusted 2000 | 0.4 | 0.5 | 0.4 |

Stage at Diagnosis

1999 Washington State Residents

Total Incidence and Percents



Relative Survival Rates

1998 National 5-year rates²

| | |
|----------|------|
| In situ | 91% |
| Local | 100% |
| Regional | 94% |
| Distant | 43% |
| Unstaged | 79% |
| Overall | 95% |

¹ Age-adjusted to 1970 or 2000 US Standard Population as indicated.

All figures include in situ and invasive cancers

² 5-Year Relative Survival Rates for cases diagnosed 1993-1997 based on follow-up of patients through 1998

Thyroid

The chart below shows both changes in rates over time and the relationship between cancer incidence and mortality. Several notes of caution are advised when interpreting these rates.

> The population numbers used to compute the annual age-adjusted rates are based on estimates from the 1990 census, birth and death records, estimated migration and other factors. They are not based on data from the 2000 census. The rates may change slightly when the Office of Financial Management estimates the state's population from 1991-1999 based on the 2000 census figures.

> For deaths occurring from 1980-1998, the underlying cause of death was coded using the International Classification of Diseases, 9th Revision (ICD-9) coding system. Consistent with national requirements, for deaths occurring in 1999, the Department of Health began using the International Classification of Diseases, 10th Revision (ICD-10). For most types of cancer, the effect of the coding change is minimal. Nonetheless, caution must be exercised in interpreting apparent trends in cancer mortality across the years of the coding change. For more information see **Comparability of Cause of Death Between ICD-9 and ICD-10: Preliminary Estimates** at http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_2.pdf.

> Unlike previous publications in which we age-adjusted to the 1970 US Standard Population, the rates in this chart are age-adjusted to the 2000 US Standard Population.

Washington State Residents

Incidence and Mortality Rate Trends

Age-adjusted to 2000 US census population

